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H. DIGHTON THOMAS, M.A., Ph.D.

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- †*Dermatostroma* p. 68, key to spp. p. 69, *scabrum* p. 69 fig., *D. ? corrugatum* p. 71 fig., *glyptum* p. 72 fig., *escanabaense* **sp. n.** Galloway & Ehlers p. 73 fig. Ordovician U.S.A., *D. castatum* **sp. n.** p. 74 fig. Ordovician U.S.A., *nodundulatum* **sp. n.** p. 75 fig. Ordovician U.S.A., *concentricum* **sp. n.** Galloway & Ehlers p. 76 fig. Ordovician U.S.A., GALLOWAY & ST. JEAN.
- †*Desmopora listrigonorum* p. 137 fig., BACHMAYER & FLÜGEL, E.
- Dictyocladium* p. 790, *moniliferum* p. 790 fig., RALPH.
- Diphasia* p. 764, *subcarinata* p. 764 fig., RALPH.
- Diphyes dispar* p. 21, *bojani* p. 21 fig., **sp. n.** p. 23 (fig. labelled *Eudoxia* sp.), CERVIGÓN.
- Dynamena* p. 790, *quadridentata* p. 790 fig., RALPH.
- †*Ellipsactinia caprense* p. 125 fig., *ellipsoides* pp. 127, 133 fig., BACHMAYER & FLÜGEL, E.
- Enneagonum hyalinum* p. 23, CERVIGÓN.
- Eudendrium ramosum* p. 219 fig., LUTHER & FIEDLER.
- Eudoxia* **sp. n.** p. 20 fig., CERVIGÓN.
- Eudoxoides spiralis* p. 21, *mitra* p. 21 fig., CERVIGÓN.
- †*Ferestromatopora* **sp. n.** [sic] p. 29 fig. Devonian Canada, McCAMMON.—*F. jacquensis* p. 943 fig., STEARN (1).
- †*Gerronostroma* cf. *gromotuchense* p. 28 fig., McCAMMON.—*G. undatum* **sp. n.** p. 8 fig. Silurian, *tablikense* **sp. n.** p. 9 fig. Devonian, *lipatovi* var. *uralense* p. 9 fig., *regulare* **sp. n.** p. 10 fig. Silurian, *dragenovi* **sp. n.** p. 10 fig. Silurian, *komiense* **sp. n.** p. 11 fig. Silurian, *istekense* **sp. n.** p. 11 fig. Devonian, *uralense* var. *kossense* var. **n.** p. 12 fig. Devonian, *kitatense* **sp. n.** p. 12 fig. Devonian, *nikitini* **sp. n.** p. 13 fig. Devonian, U.S.S.R., YAVORSKII.
- Geryonia proboscidalis* p. 220 fig., LUTHER & FIEDLER.
- Gonionemus vertens* p. 228, LEENTVAAR.
- Halammohydra octopodides* p. 51 fig., *vermiformis* p. 51 fig., *schulzei* p. 51 fig., AX.
- Halicornaria* p. 54, key to New Zealand spp. p. 54, *longirostris* p. 54 fig., *regalis* p. 55 fig., RALPH (1).
- Halicornopsis* p. 52, *elegans* p. 52 fig., RALPH (1).
- Halopteris* p. 42, key to New Zealand spp. p. 42, *constricta* p. 43 fig., *minuta* p. 45 fig., *heterogona* p. 45 fig., *campanula* var. *zelandica* p. 46 fig., var. *campanula* p. 47, RALPH (1).
- †*Hammatostroma* **gen. n.** (fam. Clathrodictyidae) p. 939, type sp. (by original designation) *albertense* **sp. n.** p. 940 fig. Devonian Canada, *carnicum*, *tschussovensis*, *katavensis*, *undata*, *jeffersonvillense* p. 939, STEARN J. Paleont. 35 5 1961.
- Heteropora* Hemprich & Ehrenberg (a junior synonym of *Heteropora* Blainville) proposed to be placed on the Official Index of Rejected and Invalid Generic names p. 335, BOSCHMA (2).
- Hydra pirardi* **sp. n.** p. 304 fig. Belgium, BRIEN (1).
- Hydractinia uchidai* **sp. n.** p. 1 fig. Japan, NAGAO.
- Idiellana* p. 765, *pristis* p. 766 fig., RALPH.
- †*Idiostroma* p. 30 fig., McCAMMON.—*I. aff. uralicum* p. 51 fig., **sp. n.** p. 52 fig., YAVORSKII.
- †*Kirklandia* ? **sp. n.** p. 39 fig., IMLAY.
- †*Korovinella* **gen. n.** (fam. Korovinellidae) p. 141, type sp. *Clathrodictyon sajanicum* p. 142 fig. Cambrian W. Siberia, [KHALFINA] Trud. sibir. nauch.-issled. Inst. Geol. Geofis. Min. Syr. (SNIIGGIMS) Minst. Geol.

okhran. nedr SSSR 19 1960.—K. **gen. n.** (fam. Korovinellidae), [KHALFINA] Mater. paleont. stratig. Zap. Sibir. 8 1960 [not seen].—K. p. 88, GALLOWAY & ST. JEAN.—K. *sejanica* p. 25, *edelsteini*, *notabile*, *abanica* p. 26, *kyazica* **sp. n.** p. 27 fig., *bagenovi* **sp. n.** p. 28 fig., Cambrian Russia, VLASOV.

†Korovinellidae **fam. n.** p. 141, [KHALFINA] Trud. sibir. nauch.-issled. Inst. Geol. Geofis. Min. Syr. (SNIIGGIMS) Minst. Geol. okhran. nedr SSSR 19 1960.—K. **fam. n.** [KHALFINA] Mater. paleont. stratig. Zap. Sibir. 8 1960 [not seen].—K. p. 88, GALLOWAY & ST. JEAN.

†Labechia p. 46, key to American spp. p. 47, *pustulosa* p. 47 fig., *huroniensis* p. 50 fig., *macrostyla* p. 53 fig., **sp. p.** 89, GALLOWAY & ST. JEAN.—L. cf. *conferia* p. 53, STEARN.—L. *polliseri* **sp. n.** p. 935 fig. Devonian Canada, **sp. p.** 935 footnote, STEARN (1).—L. *irregularis* p. 30 fig. Silurian, *schorensis* p. 31 fig. Silurian, *socialis* p. 32 fig. Silurian, *ischalygensis* p. 32 fig. Silurian, *mutabilis* p. 33 fig. Devonian, *kurganensis* p. 34 fig. Devonian, *kudukensis* p. 34 fig. Silurian, *mirabilis* p. 35 fig. Ordovician, *koltubensis* p. 35 fig. Devonian, **spp. n.** U.S.S.R., *regularis* var. *koltubensis* p. 31 fig., YAVORSKII.

†Labechiidae, key to genera p. 10, GALLOWAY & ST. JEAN.

Laomedea (=Obelia) *geniculata* p. 219 fig., LUTHER & FIEDLER.

Lensia subtilis p. 15, *conoidea* p. 15 fig., CERVIGÓN.

Linnocnida tanganyicae p. 353 fig., BOUILLON.

†Lonsda contortuplicata p. 572, CASEY.

†Megastroma **gen. n.** p. 79, type sp. (by monotypy) *lecomptei* **sp. n.** p. 79 fig. Permian Sicily, MONTANARO GALLITELLI Palaeontogr. ital. 49 1956.

Millepora braziliensis p. 292 fig., *rugosa* a junior synonym of *complanata* p. 295, *foveolata* p. 295, BOSCHMA (1).—*M. muricata* Linnaeus proposed designation as type sp. of *Acropora* Oken, BOSCHMA (2).—*M. alcornis* p. 82 fig., *complanata* p. 84 fig., DUARTE BELLO.—*M.* also see ZOANTHARIA.

†Milleporidium *remesi* p. 131 fig., BACHMAYER & FLÜGEL, E.—*M.* discussed p. 716, *varicellatum* p. 718 fig., *crassum* **sp. n.** p. 720 fig., *formosum* **sp. n.** p. 722 fig., *irregularis* **sp. n.** p. 723 fig., var. *alternatum* **var. n.** p. 725 fig., L. Cretaceous Switzerland, SCHNORF.

Monoserius p. 56, *banksii* p. 56 fig., RALPH (1).

Muggioea atlantica p. 17, *kochi* p. 19, CERVIGÓN.

Myriothela cocksi p. 34 fig., EALES.

Nemeritesia p. 47, key to New Zealand spp. p. 48, *antennina* p. 48, *elongata* p. 48 fig., *cymodocea* p. 49 fig., RALPH (1).

Obelia see *Laomedea*.

Oliandis phosphorica p. 220 fig., LUTHER & FIEDLER.

Olohydra vagans p. 53 fig., AX.

†Parallelopora p. 45, *typica* p. 45 fig., *ulatauensis* p. 46 fig., *vojenski* p. 46 fig., *ponomarevi* p. 47 fig., *kolymskensis* p. 48 fig., *pellucida* p. 49 fig., **spp. n.** Devonian, U.S.S.R., *yavorskyi* p. 50 fig., YAVORSKII.

Parascyphus p. 755, *simplex* p. 755 fig., RALPH.

Physalia physalis p. 221 fig., LUTHER & FIEDLER.

Physophora hydrostatica p. 12 fig., CERVIGÓN.

†Plumatalinia **gen. n.** (fam. Labechiidae) **sp.** 225, 228, type sp. (by original designation), *ferax* **sp. n.** p. 226 fig. Ordovician Estonia, NESTOR Eesti NSV. Tead.

Akad. Toimet. Füüsik.-Matem. Tehn. Tead. Seer. 9 3 1960.—P. discussed p. 88, GALLOWAY & ST. JEAN.

Plumularia setacea p. 37 fig., EALES.—P. p. 25, key to New Zealand spp. p. 26, *waltisi* p. 27 fig., *spirocladia* p. 28 fig., *setacoides* p. 30 fig., *wilsoni* p. 31 fig., *diploptera* p. 32 fig., *setacea* var. *setacea* p. 33 fig., var. *opima* p. 36 fig., *brachiata* p. 36 fig., *tenuissima* p. 37 fig., *spinulosa* var. *spinulosa* p. 37 fig., *pulchella* p. 39 fig., *hyalina* p. 41 fig., *triangulata* p. 41 fig., RALPH (1).

Plumulariidae p. 20, RALPH.

Podocoryne hartlaubi p. 134 fig., YAMADA.

†Praeactinostroma **gen. n.** (fam. incert.) p. 142, type sp. *Actinostroma vologdini* p. 143 fig. Cambrian W. Siberia, [KHALFINA] Trud. sibir. nauch.-issled. Inst. Geol. Geofis. Min. Syr. (SNIIGGIMS) Minst. Geol. okhran. nedr SSSR 19 1960.—P. **gen. n.**, type sp. *Actinostroma vologdini* Cambrian Siberia, [KHALFINA] Mater. paleont. stratig. Zap. Sibir. 8 1960 [not seen].—P. p. 88, *vologdini* p. 88, GALLOWAY & ST. JEAN.

†Pseudostylodictyon p. 39, key to spp. p. 40, P. ? *lamotense* p. 40 fig., *saloni* p. 41 fig., *kayi* **sp. n.** p. 42 fig. Ordovician U.S.A., *chazianum* p. 43 fig., *montoyaense* **sp. n.** Galloway p. 44 fig. Ordovician U.S.A., GALLOWAY & ST. JEAN.

†Pychochaetetes *globosus* p. 160 fig., *irregularis* **sp. n.** p. 162 fig. U. Jurassic Austria, BACHMAYER & FLÜGEL, E. (1).

Pycnotheca p. 50, *mirabilis* var. *mirabilis* p. 50 fig., RALPH (1).

†Rosenella p. 45, *cumingi* **sp. n.** p. 45 fig. Ordovician U.S.A. and Canada, GALLOWAY & ST. JEAN.

Salacia p. 766, key to New Zealand spp. p. 767, *spiralis* p. 769 fig., *farguhari* p. 769 fig., *bicalycula* p. 770 fig., *buski* p. 771 fig., RALPH.

Sarsia medusa p. 47 fig., EALES.

Sertularella ellisi p. 220 fig., LUTHER & FIEDLER.—S. discussed p. 791, key to New Zealand spp. p. 792, *simplex* pp. 820, 821 fig., *crassiuscula* p. 823 fig., *robusta* pp. 820, 824 fig., *richardsoni* **sp. n.** p. 825 fig. New Zealand, *integra* pp. 820, 827 fig., *intricata* p. 828 fig., *quadridens* p. 830, form. *quadridens* p. 830 fig., *exigua* pp. 830, 831 fig., *ramosa* pp. 830, 831 fig., *geodias* p. 831 fig., *gayi* form. *gayi* p. 833 fig., *polyzonias* p. 834 fig., *edentula* p. 834 fig., RALPH.

Sertularia p. 783, key to New Zealand spp. p. 783, *tenuis* p. 785 fig., *marginata* p. 785 fig., *unguiculata* p. 788 fig., RALPH.

Sertulariidae p. 751, key to New Zealand genera p. 752, RALPH.

Solmissus incisa p. 2065 fig., CLARKE.

†Sphaeractinia *diceratina* p. 134 fig., BACHMAYER & FLÜGEL.—S. *cylindrica* **sp. n.** p. 44 fig. U. Jurassic-L. Cretaceous Yugoslavia, GRUBIĆ.

†Stachyodes **sp. A.** p. 121 fig., **sp. B.** p. 121 fig., **sp. C.** p. 121 fig., FISCHBUCH.—S. *singularis* **sp. n.** p. 53 fig., **sp. No. 2.** p. 54 fig., *radiata* **sp. n.** p. 54 fig., *venusta* **sp. n.** p. 54 fig., cf. *venusta* p. 55 fig., **sp. No. 1.** p. 55 fig., *coespitosa* p. 56 fig., YAVORSKII.

Stereotheca p. 762, *elongata* p. 762 fig., RALPH.

†Stictostroma *mecanelli* p. 7 fig., *longitubiferum* p. 7 fig., **spp. n.** M. Devonian Canada, FAGERSTROM.—S. *jeffersonwillense* a sp. of *Hammatostroma* p. 939, STEARN (1).

†*Stromatocerium*, key to spp. p. 55, *rugosum* p. 56 fig., *tumidum* p. 58 fig., *amsterdamense* p. 59 fig., *canadense* pp. 60, 89 fig., *leipersense* sp. n. Galloway & Ehlers p. 62 fig. Ordovician U.S.A., *michiganense* p. 63 fig., *australe* p. 64 fig., *granulosum* p. 66 fig., *platyphile* sp. n. Galloway p. 67 fig. Ordovician U.S.A., but *canadense* var. *minimum* p. 14 is a sp. of *Cystostroma*, and *lamottense* p. 40 var. *chazianum* p. 43 and *eatonii* p. 41 are spp. of *Pseudostylocystis*? [sic], GALLOWAY & ST. JEAN.

†*Stromatopora proxilaminata* p. 8 fig., *densilaminata* p. 9 fig., spp. n. M. Devonian Canada, FAGERSTROM.—S. sp. A p. 121 fig., sp. B p. 121 fig., sp. C p. 121 fig., sp. D p. 121 fig., sp. E p. 121 fig., *mononensis* p. 121 fig., FISCHBUCH.—S. *pustulosa* a sp. of *Labechia* p. 47, GALLOWAY & ST. JEAN.—S. cf. *constellata* p. 52 fig., STEARN.—S. cf. *cooperi* p. 944 fig., STEARN (1).—S. *luensis* sp. n. p. 37 fig. Silurian, *typica* p. 38 fig., *gliadenensis* sp. n. p. 39 fig. Silurian, *orkutensis* sp. n. p. 39 fig. Silurian, *aspectabilis* sp. n. p. 40 fig. Silurian, *discoidea* p. 40 fig., *gurevskensis* sp. n. p. 41 fig. Devonian, *obscura* sp. n. p. 42 fig. Devonian, *boiarschinovi* sp. n. p. 42 fig. Devonian, *yakovlevi* sp. n. p. 43 fig., *hiipschii* p. 43 fig., *karaensis* sp. n. p. 44 fig. Devonian, U.S.S.R., YAVORSKII.

†*Stromatoporella damoniensis* mut. *struniana* mut. n. p. 356 fig., *reticulata* sp. n. p. 356 fig., U. Devonian Belgium, CONIL.—S. sp. p. 28 fig., McCAMMON.—S. sp. p. 52 fig., STEARN.—S. *undata* a sp. of *Hammastroma* p. 939, STEARN (1).

Sulculeolaria sp. p. 25 fig., CERVIGÓN.

Symplectoscyphus discussed p. 791, key to New Zealand spp. p. 792, *macrogonus* p. 798 fig., *fuscus* p. 800 fig., *constrictus* p. 800 fig., *subarticulatus* p. 801 fig., *columnarius* p. 802 fig., *indivisus* p. 803 fig., *rentoni* p. 804 fig., *pygmaeus* p. 805 fig., *procerus* p. 805 fig., *pseudodivariatus* nom. n. for *divariatus* Bale not Busk p. 807 fig. New Zealand, *johnstoni* p. 808, *johnstoni* form. *johnstoni* p. 810 fig., form. *subtropicus* form. n. p. 811 fig. New Zealand, *delicatulus* p. 808, *divariatus* p. 811 fig., *subdichotomus* p. 813 fig., *epizooticus* p. 815 fig., *tuba* pp. 815, 816 fig., *spiritalis* pp. 815, 816 fig., *confusus* pp. 815, 816 fig., *vanhoefeni* p. 817 fig., *irregularis* p. 818 fig., RALPH.

†*Syringostroma probicrenulatum* p. 9 fig., *cylindricum* p. 10 fig., *ambiguum* p. 11 fig., spp. n. M. Devonian Canada, *sherzeri* p. 10 fig., FAGERSTROM.—S. aff. *fedorovi* p. 50 fig., *subtilis* sp. n. p. 51 fig. Silurian U.S.S.R., YAVORSKII.

†*Taleastroma lenzi* p. 944 fig., STEARN (1).

Theocarpus p. 57, key to New Zealand spp. p. 57, *incisus* p. 58 fig., *spiralis* p. 59 fig., *chiltoni* p. 60 fig., *subdichotomus* sp. n. p. 62 fig. New Zealand, RALPH (1).

Thyrosocyphus p. 753, *fruticosus* p. 754 fig., RALPH.

†*Trupetostroma lecomptei* p. 942 fig., *tenuis* p. 943 fig., spp. n. Devonian Canada, STEARN (1).

Tubularia mesembryanthemum p. 219 fig., LUTHER & FIEDLER.

Urashimea discussed p. 200, referred to the Pandidae p. 204, *globosa* p. 200 fig., UCHIDA & NAGAO.

Velella spirans p. 221 fig., LUTHER & FIEDLER.

†*Vicinustachyodes* gen. n. (fam. Idiostromidae) p. 56 fig., type sp. (by original designation) *mirabilis* p. 57 fig., *perforata* p. 57 fig., spp. n. Devonian U.S.S.R., YAVORSKII Trudy VSEGEI n.s. 44 1961.

†DIPLEUROZOA

NONE

SCYPHOZOA

Atolla p. 51, key to Russian spp. p. 52, *uyvillei* p. 52 fig., *tenella* p. 52 fig., [NAUMOV].

Aurelia p. 72, key to Russian spp. p. 73, *aurita* p. 74 fig., *limbata* p. 74 fig., [NAUMOV].

Cassiopea discussed p. 8, *andromeda* p. 3 fig., *frondosa*, *dicuphila* p. 16, GOHAR & EISAUWY.

Chrysaora p. 62, key to Russian spp. p. 62, *quincirra* p. 63 fig., *helvola* p. 64 fig., *melanaster* p. 64 fig., [NAUMOV].

†*Conostichus* p. 195, *ornatus* p. 196 fig., cf. *wycherlyi* p. 197 fig., *ulrichi* p. 197, *typicus*? [sic], *broadheadi* p. 198, spp. pp. 200–207 fig., BRANSON (1).—C. *wycherlyi* p. 130 fig., sp. pp. 130, 132 fig., *ornatus*? pp. 130, 132 fig., *stouti* sp. n. p. 134 fig. Ohio, *stouti*? p. 130 fig., *hoodi* sp. n. p. 135 fig. Oklahoma, *pulcher* sp. n. p. 136 fig. Oklahoma, *pulcher*? p. 130 fig., *arkansanus* sp. n. p. 136 fig. Arkansas, *quinni* sp. n. p. 136 fig. Arkansas, *quinni*? p. 130 fig., *prolifer* a junior synonym of *broadheadi* pp. 132, 138 fig., *ulrichi* p. 138, Carboniferous but C.? *medusa*, *polygonatus* and *circulus* are not *Conostichus* p. 138, BRANSON (2).

Cyanea p. 67, key to Russian spp. p. 67, *capitata* p. 67 fig., *purpurea* p. 70 fig., [NAUMOV].

Halicyclis auricula p. 39 fig., EALES.—H. [as *Halicyclis* (sic)] p. 79, key to Russian spp. p. 79, *auricula* p. 79 fig., *stejnegeri* p. 80 fig., *borealis* p. 81 fig., [NAUMOV].

Lucernaria p. 86, key to Russian spp. p. 86, *campanulata* p. 86 fig., *bathypila* p. 86 fig., *walteri* p. 87 fig., *quadricornis* p. 88 fig., [NAUMOV].

Mastigias scintillae sp. n. p. 5 fig. Brazil, SOARES MOREIRA.

Octomanus gen. n. (fam. Halicyclidae) p. 82, type sp. (by original designation) *monstrosus* sp. n. p. 82 fig. Kurile Peninsula, [NAUMOV].

Pelagia noctiluca p. 215 fig., LUTHER & FIEDLER.

Periphylla p. 54, *hyacinthina* p. 54 fig., [NAUMOV].

Phacellophora p. 70, *camtschatica* p. 71 fig., [NAUMOV].

Rhizostoma pulmo p. 215 fig., LUTHER & FIEDLER.—R. p. 76, *pulmo* p. 76 fig., [NAUMOV].

Rhopilema p. 77, *asamushi* p. 77 fig., [NAUMOV].

Sanderia p. 60, *malayensis* p. 60 fig., [NAUMOV].

Stenocyphus inabai p. 85 fig., [NAUMOV].

Stephanoscyphus p. 55, key to Russian spp. p. 57, sp. No. 1 p. 57 fig., sp. No. 2 p. 57 fig., sp. No. 3 p. 57 fig., [NAUMOV].

Stygiomedusa fabulosa p. 177 fig., SEMBRAT.

Thaumatoscyphus p. 88, key to Russian spp. p. 91, *uchida* sp. n. p. 91 fig. Barents Sea and Sea of Japan, *hexaradiatus* p. 92 fig., *distinctus* p. 94 fig., [NAUMOV].

ANTHOZOA

ALCYONARIA

Acalycigorgia inermis p. 202 fig., *irregularis* p. 202 fig., *japonica* p. 202 fig., UTMOMI.

Acanthogorgia aspera p. 85 fig., BAYER.

Acanthogorgiidae p. 84, BAYER.

Alcyonacea p. 49, BAYER.

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- Alcyonium digitatum* p. 39 fig., EALES.—*A. palmatum* p. 205 fig., LUTHER & FIEDLER.—*A. altum* p. 238 fig., *violaceum* a sp. of *Metalcynium* p. 238, TIXIER-DURIVALT.
- Anthopodium* diagnosed p. 78, *rubens* p. 79 fig., BAYER.
- Anthothela* diagnosed p. 67, *tropicalis* sp. n. p. 68 fig. off Texas, BAYER.
- Anthothelidae p. 64, BAYER.
- Astrogorgia rubra* p. 209 fig., UTINOMI.
- Bellonella conspicua* p. 241 fig., *madsoni* p. 243 fig., spp. n. W. Africa, TIXIER-DURIVALT.
- Biarcidae p. 61, BAYER.
- Briareum* diagnosed p. 61, *asbestinum* p. 62 fig., BAYER.
- Callogorgia* p. 296, *verticillata* p. 297 fig., BAYER.
- Cavernula obesa* p. 221, UTINOMI.
- Cavernularia elegans* p. 252, *pusilla* p. 253, TIXIER-DURIVALT.
- Chrysogorgia rotunda* p. 217 fig., UTINOMI.
- Chrysogorgiidae p. 297, BAYER.
- Corallium rubrum* p. 206 fig., LUTHER & FIEDLER.
- Crassophyllum* gen. n. p. 428 (fam. Pterocididae), type sp. (by original designation) *cristatum* sp. n. p. 428 fig. Angola, etc., TIXIER-DURIVALT Bull. Mus. nat. Hist. nat. Paris (2) 33 4 1961.
- Diodogorgia* diagnosed p. 71, *nodulifera* p. 73 fig., BAYER.
- Discogorgia dendritica* p. 203 fig., UTINOMI.
- Drifa* discussed p. 241, *glomerata* p. 239 fig., ? *D. antarctica* p. 241, UTINOMI (1).
- Duva* discussed p. 238, *florida* p. 236 fig., ? *D. multiflora* p. 238, *D. bicolor* p. 239, UTINOMI (1).
- Echinophilum macintoshii* p. 221, UTINOMI.
- Ellisella* p. 280, *barbadensis* p. 281 fig., *elongata* p. 284 fig., BAYER.
- Ellisellidae p. 278, BAYER.
- Erythropodium* diagnosed p. 75, *caribaeorum* p. 75 fig., BAYER.
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- Syringopora hisingeri* p. 16 fig., FAGERSTROM.—*S.* p. 61, *hisingeri* var. *tonkinensis* p. 61, *ronensis* p. 62, *halangensis* p. 63, FONTAINE.—*S. distans* p. 66 fig., *geniculata* p. 67 fig., var. *haiphongensis* p. 68 fig., *reticulata* p. 69 fig., *sereni* sp. n. p. 71 fig. L. Carboniferous Indochina, *indosinica* a sp. of *Hayasakaia* p. 73, FONTAINE (2).—*S.* p. 212, *ronensis* a sp. of *Micropasma* p. 198, *schulzei* p. 212 fig., *keitneri* p. 213 fig., FONTAINE (3).—*S. bifurcata* p. 267, KRUIZINOVA.—*S.* sp. p. 130 fig., LANGENHEIM & TISCHLER.—*S. multattenuata* p. 1014 fig., McCUTCHEON.—*S.* sp. 1 pls. 1, 6, *harveyi* (= *aculeata*) pls. 1, 6, sp. 4 pl. 2, *sicularia* pls. 2, 6, sp. 8 pls. 6, 8, sp. 5 pls. 11, 14, 15, sp. 9 pls. 11, 15, *virginica* pls. 14, 18, 21, sp. 7 pl. 21, NELSON.—*S.* p. 183, *aculeata* p. 184 fig., *sicularia* p. 184 fig., aff. *sicularia* p. 185 fig., *sicularia* p. 185, SANDO.—*S.* spp. p. 357 fig., STRUSZ.—*S. geniculata* pp. 329, 351 fig., *reticulata* pp. 339, 352 fig., ZUKALOVA.
- Syringoporinus sokolovi* sp. n. p. 59 fig. Silurian U.S.S.R., YAVORSKII.
- Taniolites* gen. n. (fam. *Heliolitidae*) p. 125, type sp. (by original designation) *kelleri* sp. n. p. 127 fig. Ordovician Kazakhstan, BONDARENKO Paleont. Zhurn. 1961 3 1961.
- Tetrapora elegantula* a sp. of *Hayasakaia* p. 72, FONTAINE (2).
- Thamnopora limitaris* p. 15 fig., FAGERSTROM.—*T. reticulata reticulata* p. 393, FLÜGEL & FLÜGEL.—*T.* p. 51, *vinhi* p. 52 fig. M. Devonian Indochina, *polygonalis* p. 53 fig., var. *minor* var. n. p. 54 fig. M. Devonian Yunnan, *micropora* p. 55 fig., *I.?* *vermicularis* p. 55 fig., *T.* or *Striatopora*? p. 56, FONTAINE.—*T.* p. 209, cf. *jabiensis* p. 209 fig., FONTAINE (3).—*T. boloniensis* p. 243 fig., KOSTIC-PODGORSKA.—*T. dumosa* var. *tabulata* var. n. p. 39 fig. Devonian Canada, *cervicornis* p. 39 fig., *polyforata* p. 40 fig., McCAMMON.—*T. bellensis* p. 279 fig., *dendroidea* p. 279 fig., *elliptica* p. 280 fig., *magniventra* (= *Striatopora rugosa* Rominger non Hall) p. 281 fig., *potterensis* p. 281 fig., spp. n. Devonian Michigan, *alpenense* p. 278 fig., STUMM (1).
- Thecostegites* cf. *bouchardi* Mansuy possibly *Polyzoa* p. 65, FONTAINE.
- Trabeculites* gen. n. p. 61, type sp. (by original designation) *keithae* sp. n. p. 61 Ordovician Texas, *maculatus* p. 62 fig. sp. n. Ordovician Canadian Arctic, *akpatokensis* p. 61, FLOWER Mem. Bur. Min. Res. New Mexico 7 1961.
- Trachypora limbata* p. 71 fig., cf. *elegantula* Termier & Termier not a sp. of *T.* p. 72, cf. *devonica* p. 72, *T.?* *gigantea* Le Maitre not a sp. of *T.* p. 72, HOLLARD & LAFUSTE.—*T.* cf. *neglecta* p. 41 fig., McCAMMON.
- Trachypsammia* see *Alcyonaria*.
- Tyrganolites tchernychevi* p. 76 fig., [DUBATOLOV].

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- † *Acanthastraea* p. 288, cf. *crenolata* p. 289, *turonensis* sp. n. p. 290 fig. France, *termofurax* sp. n. p. 290 fig. N. Italy, etc., *dausi* nom. n. (for *Prionastraea neugeboreni* Daus non Reuss) p. 291 fig. Syria and France, Miocene, CHEVALIER (1).
- † *Acanthocyathus* see *Caryophyllia*.
- † *Acanthophyllum* p. 77, A. (A.) p. 83, *heterophyllum* p. 89 fig., *torquatum* p. 99 fig., *radiatum* p. 104 fig., *filosum* p. 109 fig., A. (*Grypophyllum*) *vermicularis* p. 117 fig., A. (*Neostriophyllum*) discussed p. 123, *concaum* p. 125 fig., BIRENHEIDE.
- † *Acinophyllum mclareni* sp. n. p. 14 fig. M. Devonian Canada, FAGERSTROM.
- Acropora prolifera* p. 12 fig., *cervicornis* p. 12, *palmeta* p. 14 fig., DUARTE BELLO.
- † *Acropora* p. 499, *exarata* p. 499 fig., *lavandulina* p. 500, cf. *bonellii* p. 501, CHEVALIER (1).
- † *Actinastrea* p. 123, A. (?) *pyrenaica* sp. n. p. 123 fig. Miocene S. France, CHEVALIER (1).
- Actinia equina* p. 280, HARTOG (1).—*A. equina* p. 210 fig., *cari* p. 210 fig., LUTHER & FIEDLER.
- Adamsia palliata* p. 212 fig., LUTHER & FIEDLER.
- † *Adelocenia* p. 289, *parvistella* sp. n. p. 289 fig. U. Jurassic Spain, ALLOITEAU (1).
- Agaricia agaricites* p. 16 fig., var. *crassa* p. 18 fig., var. *purpurea* p. 20 fig., *fragilis* p. 22 fig., *nobilis* p. 22, DUARTE BELLO.
- † *Agaricia* p. 406, *okeni* p. 407 fig. France, *batalleri* p. 408 fig. Majorca, A. (?) *granulata* p. 409 fig. France, spp. n. Miocene, CHEVALIER (1).
- Aiptasia mutabilis* p. 211 fig., LUTHER & FIEDLER.
- † *Aliatophyllum* gen. n. (fam. *Phillipsastracidae*?) p. 70, type sp. (by original designation) *jarushevskii* sp. n. p. 71 fig. M. Devonian Ferghana, [GHORYANOV] Paleont. Zhurn. 1961 1 1961.
- † *Allotriophyllum* p. 63, sp. p. 64 fig., FONTAINE (3).

†*Alveopora* p. 439, *meridionalis* p. 440 fig., *daxensis* p. 441 fig., **spp. n.** Miocene France, CHEVALIER (1).

†*Amandophyllum* p. 361, *carnicum* p. 361 fig., SCHOUFFÉ.

†*Amphihelia* p. 253, *reflexa* p. 254 fig., *profunda* **sp. n.** p. 255 fig. M. Miocene N. Italy, CHEVALIER (1).

†*Amplexiphyllum salinensis* **sp. n.** p. 30 fig. Devonian Canada, McCAMMON.—*A. hamiltoniae* p. 446 fig., STUMM & WATKINS.

†*Amplexocarinia* p. 71, *cristata* p. 72 fig., FONTAINE (3).—*A. aff. heimo* p. 166 fig., SANDO.—*A.* p. 358, *heimo* p. 359 fig., SCHOUFFÉ.

†*Amplexoides severnensis* p. 79 fig., **sp. A** p. 79 fig., STEARN.

†*Amplexus* cf. *distans* Mansuy re-named *Pseudamplexus yentacensis* (q.v.) p. 92, FONTAINE (3).—*A. druzetici* pp. 222, 224, 226, 231 fig., *minusculus* pp. 228, 233 fig., **spp. n.** Carboniferous Yugoslavia, KOSTIĆ.—*A.* **sp. p.** p. 115 fig., LANGENHEIM & TISCHLER.—*A.* **sp. p.** p. 167 fig., SANDO.

†*Amygdalophylloides* discussed p. 214, *gracilis* p. 215 fig., KAMERA.

†*Amygdalophyllum* (*Ekyasophyllum*) *inclinatum* pl. 13, *turbineum* pl. 16, NELSON.—*A.* **sp. ind.** p. 152 fig., YAMAGIWA.—*A. etheridgei* p. 171 fig., *var. minor* p. 171 fig., YU & LIN.

Anemonia sulcata p. 210 fig., LUTHER & FIEDLER.

†*Ankelasma* **gen. n.** (fam. Hapsiphyllidae) p. 66, type **sp.** (by original designation) *typicum* **sp. n.** p. 66 fig. L. Carboniferous U.S.A., cf. *typicum* p. 70 fig., SANDO J. Paleont. 35 1 1961.

†*Anomocora* p. 369, *varogemmans* **sp. n.** p. 369 fig. M. Miocene N. Italy, CHEVALIER (1).

†*Anomopora* **gen. n.** (fam. Poritidae) p. 169, type **sp.** (by original designation) *ramosa* **sp. n.** p. 169 fig. Miocene S.W. France, CHEVALIER C.R. Soc. géol. Fr. 1961 6 1961.

†*Antillia* p. 272, *ouenzaensis* **sp. n.** p. 272 fig. Miocene Algeria, CHEVALIER (1).—*A. miocenica* **sp. n.** p. 220 fig. Miocene India, SAHNI & SASTRY.

Antipathes **sp. p.** 229, PASTERNAK (1).

†*Aphrastraea* p. 145, *autignacensis* p. 146 fig., *A. (?) lecointrei* p. 147 fig., *A. tenuisepta* p. 147 fig., **spp. n.** Miocene France, *A. (Dictyostraea) profunda* p. 148 fig., *berianensis* **sp. n.** p. 149 fig. Miocene N. Italy, CHEVALIER (1).

†*Aphroidophyllum* **gen. n.** (fam. Phillipsastracidae) p. 505, type **sp.** (by original designation) *howelli* **sp. n.** p. 505 fig. M. Devonian N.W. Canada, LENZ Geol. Arctic 1 1961.

†*Aplocyathus* see *Trochocyathus*.

†*Aquilanastraea* **subgen. n.** (of *Szygophyllia*) p. 282, type **sp.** (by original designation) *grandistellae* **sp. n.** p. 283 fig. Miocene France and N. Italy, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.—*A.* see *Heliastrea*.

†*Arachnastraea* [as *Arachnastraea* (sic)] *molli* p. 171 fig. [English Trans. p. 51 fig.], [SKIRTLADZE].—*A.* p. 3, *kaipingensis* pp. 3, 12 fig., *tzupoenensis* pp. 4, 13 fig., M. Carboniferous China, YOI.

†*Arachnolasma* p. 127, *equisetatum* p. 128 fig., *laosensis* **sp. n.** p. 128 fig. L. Carboniferous Laos, cf. *sinense* p. 129 fig., **sp. p.** p. 130 fig., **sp. 2** p. 131 fig., FONTAINE (3).—*A. longisetatum* p. 169 fig., *reticurus* p. 170 fig., YU & LIN.

†*Aspidiscus montgrinensis* var. *altus* p. 43 fig., BATALIER (2).

†*Asthenophyllum* p. 82, *inwoodense* **sp. n.** p. 83 fig. Silurian Canada, *occidentale* p. 85 fig., **sp. A** p. 86 fig., STEARN.

†*Astraeopora* [as *Astreopora* (sic)] p. 501, *densata* p. 502 fig., *subcylindrica* p. 503 fig., Miocene France, CHEVALIER (1).

Astrangia astreiformis pp. 317, 334 fig., PARKER.

†*Astrangia* p. 238, *vasconiensis* p. 238 fig., *manthelansensis* **sp. n.** p. 239 fig. Miocene France, CHEVALIER (1).

†*Astrhelia* [as *Astrohelia* (sic)] p. 256, *gaillardensis* **sp. n.** p. 257 fig. Miocene France, *neglecta* p. 258 fig., CHEVALIER (1).—*A.* **sp. pl.** 16, MATTHEWS.

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†*Atelophyllum fultum* p. 513 fig., LENZ.

†*Athecastraea* **subgen. n.** (of *Heliastrea*) pp. 167, 181, type **sp.** (by original designation) *fragilis* **sp. n.** p. 181 fig. Miocene France, *vesiculosa* p. 182, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.

†*Aulacophyllum angelini* a **sp.** of *Pynactis* p. 75, MINATO

†*Aulina* p. 119, *furcata* p. 120 fig., *carinata* p. 121 fig. "*A.*" cf. *yohi* p. 122 fig., FONTAINE (3).

†*Auloclisia*? **sp. p.** 171 fig., YU & LIN.

†*Aulophyllum fungites* p. 279 fig., SCHOUFFÉ & STAGUL.

†*Australophyllum* cf. *cyathophylloides* p. 509 fig., LENZ.

†*Axolithophyllum frothyvesicular* **sp. n.** p. 218 fig. U. Carboniferous Japan, KAMERA.

†*Axosmilia aragonensis* p. 33 fig., *elongata* p. 34 fig., BATALIER (2).

Balanophyllia italica p. 44, ROSSI (2).—*B. malouinensis* **sp. n.** p. 39 fig. Patagonian Shelf, SQUIRES.

†*Balanophyllia* p. 457, *italica* p. 458 fig., *striatissima* p. 459 fig., *concinna* p. 460 fig., cf. *varians* p. 461 fig., *angusticalyx* **sp. n.** p. 462 fig. Miocene France and Algeria, CHEVALIER (1).—*B.* see also *Eupsammia*.

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†*Bathycyathus* p. 351, *termofurax* **sp. n.** p. 352 fig. M. Miocene N. Italy, CHEVALIER (1).

Bathypathes patula p. 228, PASTERNAK (1).

†*Bethanyphyllum praecursor* p. 32 fig., cf. *praecursor* p. 33 fig., McCAMMON.

†*Billingsastraea verrilli* p. 504 fig., LENZ.

†*Blothrophyllum* **sp. p.** 12 fig., FAGERSTROM.

†*Brachyelsma himica* p. 42 fig., KALJO (2).

†*Breviphrentis* p. 90, *yunnanense* p. 91 fig., FONTAINE (3).

†*Breviphyllum waskasense* p. 33 fig., cf. *richardsoni* p. 34 fig., McCAMMON.

†*Bucanophyllia* p. 227, *ohioense* p. 227 fig., STUMM.

Bunodactis verrucosa p. 210 fig., LUTHER & FIEDLER.

†*Buschophyllum minutum* **sp. n.** p. 31 fig. Devonian Canada, McCAMMON.

†*Calamophyllia vidali* p. 26 fig., BATALIER (2).—*C. discoid* p. 503, CHEVALIER (1).—*C. quilonica* **sp. n.** p. 221 fig. Miocene India, SAHNI & SASTRY.

†*Calceola* p. 199, *sandalina* p. 200 fig., *var. sinensis* p. 201, *acuminata* p. 202 fig., FONTAINE (3).

- Calliactis parasitica* p. 211 fig., LUTHER & FIEDLER.
- †*Campophyllum carinatum* a sp. of *Aulina* p. 121, FONTAINE (3).
- †*Caninia* p. 143, *linguensis* p. 145 fig., *mapingense* var. *laosensis* var. n. p. 147 fig. Permian Laos, *mansiya* sp. n. p. 147 fig. Indo-China, FONTAINE (3).—*C. pseudoyohi* sp. n. p. 129 fig. M. Carboniferous Japan, sp. A p. 129 fig., sp. B p. 130 fig., 160.—*C. (?)* sp. p. 124 fig., LANGENHEIM & TISCHLER.—*C.* sp. pl. 15, MATTHEWS.—*C.* discussed p. 174, aff. *arcuata* p. 175 fig., sp. p. 175 fig., SANDO.—*C.* aff. *arcuata* of Sando re-identified as *Diphyphyllum* sp. p. 1088, SANDO (2).—*C.* p. 2, *ovata* sp. n. pp. 2, 11 fig. U. Carboniferous China, YOH.—*C. (Siphonophylla) undulabulata* p. 169 fig., *huitoutalaensis* p. 169 fig., YU & LIN.—*C. cylindrica* aff. *hettonensis* pp. 326, 351 fig. [as *hettonensis* (sic) p. 326], sp. pp. 327, 351 fig., *patula densa* pp. 331, 351 fig., ZUKALOVÁ.
- Caninophyllum* p. 148, *dohmeri* p. 149 fig., *laosense* sp. n. p. 150 fig. L. Carboniferous Laos, sp. p. 151 fig., FONTAINE (3).—*C. incrassatum* p. 125 fig., LANGENHEIM & TISCHLER.—*C.* p. 176, sp. p. 176 fig., SANDO.—*C. ? sumphuensis* pp. 328, 351 fig., ZUKALOVÁ.
- †*Carcinophyllum* cf. *patellum* pp. 321, 350 fig., ZUKALOVÁ.
- †*Carinthiophyllum* p. 123, *suessi* p. 124 fig., SCHOUPPE (1).
- †*Carruthersella* p. 6, *yaozunensis* sp. n. pp. 6, 15 fig. L. Carboniferous China, YOH.
- Caryophyllia clavus* p. 213 fig., LUTHER & FIEDLER.—*C. clavus, smithi* p. 36, ROSSI (2).
- †*Caryophyllia* p. 330, *quadragesimae* p. 331 fig. France, *pentaradiata* p. 331 fig. N. Italy, spp. n. Miocene, cf. *sismondai* p. 332 fig., cf. *aequalis* p. 333 fig., cf. *granulosa* p. 334 fig., *sciolensis* sp. n. p. 335 fig. M. Miocene N. Italy, cf. *michelotti* p. 335, cf. *degenerans* p. 335 fig., cf. *neglecta* p. 336 fig., cf. *leptaxis* p. 337, *C. (Ceratocyathus) minus* sp. n. p. 338 fig. M. Miocene N. Italy, *torionensis* sp. n. p. 338 fig. Miocene France, var. *rotundacostata* var. n. p. 339 fig. Miocene France, *undulatus* p. 340 fig., cf. *paucicosta* p. 340 fig., *varicosatus* p. 341, *cornucopia* p. 342 fig., *C. (Acanthocyathus) laterocristatus* p. 343 fig., *versicostatus* p. 345, *verrucosus* p. 347 fig., CHEVALIER (1).
- †*Caulastraea* p. 163, *matheroni* sp. n. p. 164 fig. Miocene France, CHEVALIER (1).
- †*Cayugaea* p. 228, *whiteavesiana* p. 228 fig., *subcylindrica* sp. n. p. 228 fig. Devonian Indiana, STUMM.
- †*Ceratocyathus* a senior synonym of *Premocyathus* p. 337, CHEVALIER (1).—See also *Caryophyllia*.
- †*Ceratophyllum*? sp. p. 33 fig., McCAMMON.
- †*Ceratostilia torallolensis* p. 30 fig., BATAILLER (2).
- †*Ceratotrochus* p. 352, *multispinosus* p. 354 fig., var. *intermedia* var. n. p. 355 fig. Miocene N. Italy and France, var. *mutica* p. 355, *multiserialis* p. 356 fig., cf. *miopliocenic-a* p. 357, CHEVALIER (1).—See also *Edwardotrochus*.
- Cereus pedunculatus* p. 211 fig., LUTHER & FIEDLER.
- Cerianthus membranaceus* p. 212 fig., LUTHER & FIEDLER.—*C.* discussed p. 25, a senior synonym of *Pachycerianthus* p. 27, *bicyclus* sp. n. p. 17 fig. Gulf of Naples, TORELLI.
- †*Cerkesia* gen. n., *robinsoni* sp. n. Triassic Caucasus Mountains, [MOISSEIEV—not seen].
- †*Chomatoseris porpites* p. 109 fig., RONCHETTI & SESTINI.
- †*Chonaxis pongouensis* the type sp. of *Laophyllum* p. 195, FONTAINE (3).
- Corripathes (Stichopathes) flagellum* p. 229, PASTERNAK (1).
- †*Cladangia* p. 230, *semispherica* p. 231 fig., var. *tubiformis* p. 232, var. *tauriniensis* var. n. p. 233 fig. Miocene N. Italy, *caryensis* sp. n. p. 233 fig. Miocene France, var. *galasciformis* var. n. p. 234 fig. Miocene France, var. *koubaensis* var. n. p. 234 fig. Miocene Algeria, *crassiramosa* p. 235 fig., *aquitaniensis* sp. n. p. 236 fig. Miocene S.W. France, *dydieri* sp. n. p. 237 fig. Miocene France, CHEVALIER (1).
- †*Cladionophyllum* gen. n. (fam. Digonophyllidae) p. 229, type sp. (by original designation) *Cystiphyllum cicatriciferum* p. 229 fig. Devonian Indiana and Kentucky, STUMM Contr. Mus. Paleont. Univ. Mich. Ann Arbor 16 2 1961.
- Cladocora arbuscula* p. 24 fig., DUARTE BELLO.—*C. caespitosa* p. 214 fig., LUTHER & FIEDLER.—*C. arbuscula* p. 34, ROSSI (2).
- †*Cladocora* p. 223, *multicaulis* p. 223 fig., *conferta* p. 224, cf. *michelotti* p. 225 fig., var. *popognae* var. n. p. 226 fig. Miocene France, *liburnensis* sp. n. p. 226 fig. Miocene France, *vermiculata* sp. n. p. 227 fig. Miocene France, *gamacholensis* sp. n. p. 228 fig. Miocene France, *manipulata* p. 228, aff. *prevostiana* p. 229, CHEVALIER (1).—*C.* sp. p. 37 fig., LUKOVIC.
- †*Cladophyllia* sp. pl. 16, MATTHEWS.—*C. tenuis* p. 102 fig., SUCIC-PROTIC.
- (?) *Cladopsammia rolandi* p. 44, ROSSI (2).
- †*Clathrocoelona eifeliensis* p. 378 fig., FLÜGEL & FLÜGEL.
- †*Clausastraea* [as *Clausastraea* (sic)] *querolensis, superficialis* p. 290, ALLOITEAU (1).
- †*Clausastraeopsis* gen. n. (fam. Faviidae) p. 292, type sp. (by original designation) *querolensis* sp. n. p. 292 fig. U. Jurassic Spain, ALLOITEAU Bull. Soc. géol. Fr. 7 2 (for 1960) 1961.
- †*Clisiophyllum* p. 124, sp.? Mansuy a sp. of *Disphyllum* p. 97, *yengleensis* p. 126 fig., FONTAINE (3).—*C. chimense* sp. n. p. 154 fig. U. Carboniferous Japan, *auva* p. 154 fig., ISHII & YAMAGIWA.—*C. subramosum* sp. n. p. 211 fig. U. Carboniferous Japan, KANMERA.—*C. (?) panamintense* sp. n. p. 118 fig. L. Carboniferous California, LANGENHEIM & TISCHLER.—*C. keyserlingi* p. 279 fig., SCHOUPPE & STACUL.—*C.* sp. p. 171 fig. [English Trans. p. 51 fig.], [SKHIRTADZE].
- †*Coeloria* p. 160, *siciliae* sp. n. p. 160 fig. Sicily and Spain, var. *profundata* var. n. p. 161 fig. Sicily, Miocene, CHEVALIER (1).
- †*Coeloseris* see *Mioseris*.
- †*Coenocyathus* p. 348, cf. *tauriniensis* p. 349 fig., *simplex* sp. n. p. 351 fig. M. Miocene N. Italy, CHEVALIER (1).
- †*Coleophyllum* p. 230, *romingeri* p. 230 fig., STUMM.
- Colpophyllia natans* p. 26 fig., *amaranthus* p. 26, DUARTE BELLO.
- †*Colpophyllia* p. 161, *multisepta* sp. n. p. 161 fig. Miocene France, CHEVALIER (1).
- †*Columnaria rigida* p. 85, *blainvilli* p. 86 are spp. of *Crenulites*, *thomi* p. 91 a sp. of *Palaeophyllum*, FLOWER.—*C.* discussed p. 4, a senior synonym of *Columnophyllum* p. 6, *sulcata* p. 5 fig., HILL.—*C. rhenana*? p. 506 fig., LENZ.—*C. erratica* a sp. of *Eofletcheria*? p. 15, SINCLAIR.

†*Columniphyllum* discussed, *sulcatum* chosen as genotype, a junior synonym of *Columnaria* p. 6, HILL.

†*Comanophyllum* **gen. n.** (fam. Diallytophyllidae) p. 388, type sp. (by original designation) *tumidum* **sp. n.** p. 389 fig., subsp. *tumidum* **subsp. n.** p. 389 fig., subsp. *falcatum* **subsp. n.** p. 390 fig. M. Devonian Turkey, H. Flügel in FLÜGEL & FLÜGEL Senck. leth. 42 5-6 1961.

Condylactis aurantiaca p. 211 fig., LUTHER & FIEDLER.

†*Confusastraea* p. 403, *canadensis* **sp. n.** p. 403 fig. Miocene Spain, CHEVALIER (1).

†Coral indet., p. 153 fig., DERANTYAGALA.

†Corals undetermined p. [2] fig., SCHILLANI.

†*Coronoruga* **gen. n.** (fam. Cystiphyllidae) p. 347, type sp. (by original designation) *driptostense* **sp. n.** p. 348 fig. M. Silurian New South Wales, STRUSZ Palaeontology 4 3 1961.

†*Crenulites* **gen. n.** p. 84, type sp. (by original designation) *duncanae* p. 84 fig., *magnus* p. 85 fig., Ordovician Texas, *rigidus* p. 85 fig., *blainvilli* p. 86, *akpatokensis* **sp. n.** p. 86 fig. Ordovician Arctic Canada, FLOWER Mem. Bur. Min. Res. New Mexico 7 1961.

†*Crepidophyllum*? *yohi* a sp. of "*Aulina*" p. 122, FONTAINE (3).

†*Cricocyathus tarraconensis* p. 44 fig., BATALLER (2).

†*Cryptangia* p. 244, *woodii* var. *melcheli* **var. n.** p. 244 fig., *reptans* **sp. n.** p. 245 fig., Miocene France, CHEVALIER (1).

†*Culicia* p. 246, *parasitica* p. 246 fig., CHEVALIER (1).

†*Cannolites filamentosa* pl. 7, *discoideus* pl. 7, SUČIĆ-PROTIĆ.

†*Cyathaxonia* p. 73, sp. p. 74 fig., *khmeriana* **sp. n.** p. 74 fig. Permian Cambodia, FONTAINE (3).—*C. arcuata*? p. 168 fig., SANDO.

†*Cyathoceras* p. 366, *tortoniensis* **sp. n.** p. 366 fig. Miocene France, CHEVALIER (1).

†*Cyathoclisia tabernaculum* pp. 320, 350 fig., ZUKALOVÁ.

†*Cyatholasma* **gen. n.** (fam. Calostylidae) p. 120, type sp. (by original designation) *perforata* **sp. n.** p. 121 Upper Ordovician Russia, IVANOVSKY Paleont. Zhurn. 1961 2 1961.

†*Cyathophoropsis hupei* p. 18 fig., BATALLER (2).

†*Cyathophylloides* discussed p. 83, *burksae* **sp. n.** p. 83 fig. Ordovician Texas, C. (?) sp. p. 84 fig., FLOWER.

†*Cyathophyllum convolutum* a sp. of *Keriophyllum* p. 94, *lavalii* a sp. of *Hexagonaria* p. 99, *annamiticum* the type sp. of *Mansuyphyllum* p. 100, *cambodgiense* a sp. of *Yatsengia* p. 140, sp. *Mansuy* a sp. of *Aracholasma* p. 130, FONTAINE (3).—"C." *kobehense* p. 503 fig., LENZ.—*C.* sp. p. 90, STEARN.

†*Cycloflabellum* **subgen. n.** (of *Flabellum*) p. 398, type sp. (by original designation) *perforata* **sp. n.** p. 398 fig. Pliocene Morocco, CHEVALIER Mém. Soc. géol. Fr. Paléont. 97 1961.

†*Cyclomussa* (see *Lithophyllia*).

†*Cylindrophyllum* cf. *elongatum* p. 14 fig., cf. *propinquum* p. 14 fig., FAGERSTROM.—*C.* p. 98, *asiaticum* **sp. n.** p. 98 fig. Devonian Vietnam, FONTAINE (3).

†*Cyphastraea* p. 261, *coloi* p. 262 fig., C. (?) *tazarinensis* p. 263 fig., **sp. n.** Miocene Morocco, CHEVALIER (1).

†*Cystiphyllodes* sp. p. 15 fig., FAGERSTROM.—*C.*? *americanum arcticum* p. 512 fig., *kwangsiense*? p. 512 fig.,

LENZ.—*C.* p. 231, *aggregatum* p. 231 fig., *americanum* p. 232 fig., STUMM.

†*Cystiphyllum* cf. *niagarensis* p. 91, STEARN.—*C. cicutiferum* the type sp. of *Cladionophyllum* p. 229, *greenii* a sp. of *Diplochone* p. 233, *bijuratum* and *sulcatum* are spp. of *Edaphophyllum* p. 234, *squamatum* a sp. of *Skoliohyllum*, STUMM.

†*Dalmanophyllum* discussed p. 81, *minimum* p. 81 fig., *dalmanni* p. 85 fig., MINATO.

†*Defrancia* p. 156, *irregularis* p. 157 fig., var. *gramulata* **var. n.** p. 158 fig., var. *carryensis* **var. n.** p. 159 fig., *tamarisensis* **sp. n.** p. 159 fig., Miocene France, CHEVALIER (1).

†*Delphinastrea tauchensis* **sp. n.** p. 726 fig. U. Cretaceous France, BEAUVAIS, M.

†*Deltocyathus* p. 328, *italicus* p. 328, CHEVALIER (1).

Dendrogyra cylindrus p. 28 fig., DUARTE BELLO.

†*Dendrogyra* p. 297, *incerta* **sp. n.** p. 297 fig. M. Miocene N. Italy, CHEVALIER (1).

Dendrophyllia ramea p. 214 fig., LUTHER & FIEDLER.

†*Dendrophyllia* p. 476, *amica* p. 477 fig., *trifurcata* p. 479 fig., *cladocoracea* p. 480 fig., *alternaticosta* **sp. n.** p. 481 fig. Miocene France, *tauriniensis* p. 481 fig., var. *multigemmata* p. 482 fig., *digitalis* p. 483, *paroniana* p. 484 fig., *globulina* p. 484, *crassa* p. 485 fig., *longaeva* p. 486 fig., *colonjoni* p. 487, CHEVALIER (1).

†*Dendrostella* p. 156, *rhenana* p. 156 fig., FONTAINE (3).—*D.* see Favistella.

†*Depasophyllum* cf. *adnetum* p. 13 fig., *D.*? sp. p. 13 fig., FAGERSTROM.—*D.* discussed p. 115, FONTAINE (3).

†*Dermosmilina* cf. *alpina* p. 102 fig., SUČIĆ-PROTIĆ.

†*Desmastraea* p. 132, CHEVALIER (1).

Desmophyllum fasciculatum p. 38, ROSSI (2).

†*Desmophyllum* p. 370, *tauriniense* neotype chosen p. 371 fig. Miocene N. Italy, *exclatum* p. 372 fig., *semicostatum* p. 373 fig., *subcostatum* **sp. n.** p. 373 fig. Miocene France, cf. *cantanessi* p. 374, *conulatum* p. 374, cf. *ambiguum* p. 375, cf. *striatum* p. 376 fig., cf. *laevicostatum* p. 376 fig., *pyrenaeicum* **sp. n.** p. 377 fig. Miocene S.W. France, CHEVALIER (1).

†*Diallytophyllidae* **fam. n.** p. 385, FLÜGEL & FLÜGEL Senck. leth. 42 5-6 1961.

†*Diallytophyllum auburgense* p. 386 fig., FLÜGEL & FLÜGEL.

†*Dibunophyllum rhodophylloides* a junior synonym of *Stimonophyllum stimonianum* p. 281 fig., KATO & MITCHELL.—*D. renzi* p. 279 fig., SCHOUPPE & STACUL.—*D. delinghaense* p. 170 fig., sp. p. 170 fig., YU & LIN.—*D.* cf. *bipartitum* pp. 323, 350 fig., ZUKALOVÁ.

Dichocoenia stokesi p. 30 fig., DUARTE BELLO.

†*Dichocoenia* p. 299, *D.* (?) sp. p. 299 fig., CHEVALIER (1).

†*Dictyostraea* see *Aphrastraea*.

Digonophyllum rectum p. 511 fig., LENZ.

†*Dinophyllum involutum* p. 77 fig., *minimum* a sp. of *Dalmanophyllum* p. 81, MINATO.—*D. lundarensis* **sp. n.** p. 87 fig., STEARN.

†*Diphyphyllum* p. 114, *lemoniei* p. 116 fig., *vietnamicum* p. 117 fig., **sp. n.** Vietnam, *vericillatum* **sp. n.** p. 118 fig. Laos, Carboniferous, FONTAINE (3).—*D.* sp. p. 1088, SANDO (2).—*D. fasciculatum* pp. 336, 352 fig., ZUKALOVÁ.

- †*Diploastraea* p. 437, *paronai* p. 438 fig., CHEVALIER (1).
 †*Diplochone* p. 232, *greenei* p. 233 fig., STUMM.
 †*Diplocenium pacheco* p. 32 fig., BATAILLER (2).—*D. lunatum* p. 109 fig., [DYALL].
 †*Diplohelia* p. 249, *micheletii* **nom. nov.** for *Oculina virginea* Michelotti non Linné p. 250 fig., *quenstedtii* **sp. n.** p. 252 fig. M. Miocene N. Italy, CHEVALIER (1).
Diploria clivosa p. 32 fig., *strigosa* p. 34 fig., *labyrinthiformis* p. 36 fig., DUARTE BELLO.
 †*Diploria* p. 132, CHEVALIER (1).
 †*Discotrochus* p. 431, *micheletii* p. 431 fig., *cylindricus* p. 432 fig., cf. *pseudoduncani* p. 433 fig., CHEVALIER (1).
 †*Disphyllum* sp. A p. 13 fig., sp. B p. 14 fig., FAGERSTROM.—*D. caespitosum emsi* p. 382 fig., FLÜGEL & FLÜGEL.—*D.* p. 95, *liumaense* p. 96 fig., sp. p. 97 fig., FONTAINE (3).—*D.* sp. p. 9 fig., KAMEI (2).—*D. goldfussi*? p. 501 fig., LENZ.
 †*Dohmophyllum helianthoides* p. 507 fig., LENZ.
 †*Dokophyllum annulatum* and *högboni* are both spp. of *Ketophyllum* p. 91, MINATO.
 †*Donophyllum internum* p. 171 fig. [English Trans. p. 51 fig.], [SKHIRTADZE].
 †*Dorlodotia fujimotoi* **sp. n.** p. 130 fig. M. Carboniferous Japan, IGO.
 †*Edaphophyllum* p. 233, *bipartitum* p. 233 fig., *bifurcatum* p. 234 fig., *sulcatum* p. 234 fig., STUMM.
 †*Edwardstrochus* **subgen. n.** (of *Ceratstrochus*) p. 358, type sp. (by original designation) *Turbinolia duodecimcostata* p. 359 fig. Pliocene Italy and Miocene of Italy, etc., var. *magnei* **var. n.** p. 360 fig. Miocene France, cf. var. *badensis* p. 361 fig., *bellingerianus* p. 361 fig., var. *cresta* p. 362 fig., *bellardii* p. 362, *subcristatus* p. 363 fig., cf. *tauriniensis* p. 364, *pentaradiata* **sp. n.** p. 364 fig. M. Miocene N. Italy, *validus* p. 365, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.
 †*Ekosaphyllum eastoni* **sp. n.** p. 121 fig. L. Carboniferous California, LANGENHEIM & TISCHLER.—*E.* see *Amygdalophyllum*.
 †*Elasmosmilia* **gen. n.** (fam. Paraphylliidae) p. 723, type sp. (by original designation) *padernensis* p. 723 fig., *gracianskyi* p. 724 fig., **spp. n.** U. Cretaceous France, BEAUVAIS, M., Bull. Soc. géol. Fr. (7) 2 6 1961.
 †*Ellamoastraea* p. 150, *intermedia* p. 151, *multilateralis* p. 151 fig., *caryensis* **sp. n.** p. 153 fig. France, *parvistella* **sp. n.** p. 154 fig. N. Italy, Miocene, CHEVALIER (1).
 †*Endopachys* p. pl. 16, MATTHEWS.
 †*Ennalopsammia* p. 492, *scillae* p. 492 fig., *poppelacki* p. 493 fig., *puycardensis* **sp. n.** p. 494 fig. Miocene France, CHEVALIER (1).
 †*Entelophyllum latum* p. 338 fig., STRUSZ.
 †*Enymphyllum californiense* **sp. n.** p. 127 fig., LANGENHEIM & TISCHLER.—*E.* discussed p. 177, sp. p. 177 fig., SANDO.
 †*Epismilia* sp. p. 288 fig., ALLOTEAU (1).
 †*Epistrophephyllum commune* p. 102 fig., SUČIĆ-PROTIĆ.
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 †*Eridophyllum seriale* p. 15 fig., FAGERSTROM.
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 †*Eupsammia* a subgenus of *Balanophyllia* p. 463, *praelonga* p. 464 fig., var. *rovasendai* p. 465, *cornu-rupicaprae* p. 466, cf. *cylindrica* p. 466 fig., *conica* p. 467 fig., *meneghinii* p. 468 fig., *rovasendai* p. 469, *pachysepta* **sp. n.** p. 470 fig. Miocene N. Italy, *bassolensis* **nom. n.** (for *irregularis* Zuffardi-Comerci non de Angelis) p. 470 fig. Miocene N. Italy, *patera* p. 471, *sismodiana* p. 472 fig., var. *albuginensis* **var. n.** p. 473 fig. Miocene N. Italy, *zuffardii* **nom. n.** (for *campanulata* Zuffardi-Comerci non Duncan) neotype chosen p. 474 fig. M. Miocene N. Italy, *magna*, *compressa* p. 475, CHEVALIER (1).
 †*Euryphyllum* p. 65, *alloiteau* **sp. n.** p. 66 fig., var. *minor* **var. n.** p. 67 fig., Permian Cambodia, sp. p. 67 fig., aff. *cainodon* p. 68 fig., FONTAINE (3).
Eusmilia fastigiata p. 38 fig., DUARTE BELLO.
 †*Faberophyllum* see *Turbophyllum*.
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 †*Favia* p. 132, *aquilaniensis* p. 133 fig. France and Majorca, *beasomaderiensis* p. 134 fig. France, *melitae* p. 134 fig. Malta, *kabyliensis* p. 135 fig. Algeria, *falloti* p. 136 fig., **spp. n.** Miocene, F. (?) *centralis* p. 136, cf. *corollaris* p. 137, CHEVALIER (1).
 †*Favistella* (*Dendrostella*) *praerhenana* p. 384 fig., FLÜGEL & FLÜGEL.—*F.* Hall discussed p. 4, HILL.
 †*Favistellidae* p. 7, HILL.
 †*Favites* p. 138, *neglecta* p. 138 fig., var. *tauriniensis* **var. n.** p. 140 fig. N. Italy, var. *minor* p. 141 fig. Spain, *neugeboreni* var. *burdigalensis* **var. n.** p. 141 fig. S. France, *neuvillei* **sp. n.** p. 142 fig. S. France, *densisepta* **sp. n.** p. 143 fig. N. Italy, *mimbastensis* **sp. n.** p. 144 fig. S.W. France, cf. *dissimilis* p. 144 fig., Miocene, CHEVALIER (1).
Flabellum p. 30, *thouarsii* p. 32 fig., *curvatum* p. 38 fig., SQUIRES.
 †*Flabellum* pp. 378, 401, *asperum* p. 380 fig., *siciliense* p. 381, *acutum* p. 383 fig., *foecundum* p. 384 fig., *sinese* p. 385 fig., *avicularia* p. 386 fig., var. *roissiana* p. 387 fig., var. *hamriensis* **var. n.** p. 388 fig. Miocene N. Italy and Austria and Pliocene N.W. Africa, var. *uniformis* p. 389 fig., var. *ornata* p. 390 fig., cf. *hemmoorensis* p. 390 fig., *zuffardii* **nom. n.** (for *alatum* Zuffardi-Comerci non Roemer) neotype chosen p. 391 fig. Miocene Italy, *intermedium* p. 392 fig., *carenatum* p. 393 fig., *vaticani* p. 393, cf. *peolae* p. 394, *lobatum* p. 395 fig., *extensum* p. 395 fig., *basteroti* p. 396 fig., *F. (Cycloflabellum) rogeri* **sp. n.** p. 398 fig. Pliocene Morocco, CHEVALIER (1).—*F.* sp. p. 153 fig., DERANIYAGALA.—*F.* sp. pl. 16, MATTHEWS.
Flosmaris p. 83, *bathamae* **sp. n.** p. 84 fig. New Zealand, HAND.
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 †*Fungiastrea* cf. *oculata* p. 295 fig., ALLOTEAU (1).
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 †*Gangamophyllum*? sp. p. 341 fig., ZUKALOVÁ.
 †*Goniastrea* p. 155, cf. *profunda* p. 155 fig., CHEVALIER (1).
 †*Goniopora* p. 441, *globulosa* **sp. n.** p. 442 fig. Miocene France, *daxi-tertia* p. 444 fig., *giraudiensis secunda* p. 444 fig., *granosa* **sp. n.** p. 445 fig. Miocene S.W. France, *uronensis* **sp. n.** p. 446 fig. Miocene France, CHEVALIER (1).
 †*Grewingkia* see *Streptelasma*.
 †*Grypophyllum* a subgenus of *Acanthophyllum* q.v., BIRENHEIDE.
 †*Gshelia* p. 364, cf. *calophylloides* p. 368 fig., SCHOUPPE.

- †*Gyrophylia* p. 298, *bisnuosa* p. 298, CHEVALIER (1).
 †*Gyrosmitia* p. 300, *varettiensis* sp. n. p. 301 fig. M. Miocene N. Italy, CHEVALIER (1).
Habrosanthus gen. n. (fam. Sagartiidae) p. 95, type sp. (by original designation) *bathamae* p. 97 fig. New Zealand, CUTRESS Trans. R. Soc. N.Z. (Zool.) 16 1961.
 †*Hadrophylum* p. 69, *brancai* p. 69 fig., FONTAINE (3).
 †*Hapsiphyllum* p. 62, sp. p. 63 fig., FONTAINE (3).
 †*Heliastrea* p. 166, *pelouaensis* p. 170, *oligophylla* p. 170 fig., var. *major* var. n. p. 171 fig. France and Spain, *mellahica* p. 172, *auignacensis* sp. n. p. 172 fig. France, *laticosta* sp. n. p. 173 fig. France, etc., *ichihatcheffi* nom. n. (for *defrancei* Reuss non Edwards & Haime) p. 174 fig. Turkey, etc., *grandis* sp. n. p. 175 fig. France, *deformis* sp. n. p. 176 fig. N. Italy, *taurinensis* p. 177, *saucotensis* p. 177 fig., *delicata* p. 178 fig., *nerthenis* sp. n. p. 179 fig. France, *saubriguensis* sp. n. p. 179 fig. France, *solenastroides* p. 180, *parva* sp. n. p. 181 fig. France, *H. (Atheastraea) fragilis* sp. n. p. 181 fig. France, *vesiculosa* p. 182, *H. (Heliastreopsis)* p. 167, *dal lagoi*, *alioleai* p. 183, var. *daxensis* var. n. p. 184 fig. France and Algeria, var. *parva* var. n. p. 184 fig. France, *H. (Aquilanastraea)* pp. 167, 185, *piueteai* p. 185, *pruvosti* p. 186, *pachyformis*, *incrustans* p. 187, *tenuitubulata* sp. n. p. 187 fig. N. Italy, *gicardi* p. 188 fig., *polygona* sp. n. p. 189 fig. N. Italy, *H. (Solenastraea)* pp. 168, 189, *tizeroutinensis* sp. n. p. 190 fig. Morocco, *microcalix* p. 190 fig., Miocene, CHEVALIER (1).—*H. [as Heliastrea (sic)] reussana* p. 186 fig., EREMIJA.
 †*Heliastreopsis* see *Heliastrea*.
 †*Heliophyllum* sp. p. 77 fig., [DUBATOLOV].—*H. cf. incrassotum* p. 12 fig., cf. *verticale* p. 12 fig., sp. p. 12 fig., FAGERSTROM.
 †*Aff. Heritschioides* sp. p. B-236, DUNCAN.
 †*Heterophrentis*? sp. p. 12 fig., FAGERSTROM.
 †*Heterophyllia* p. 205, sp. p. 205 fig., FONTAINE (3).
 †*Hexagonaria* p. 99, *laali* p. 99 fig., FONTAINE (3).—*H. quadrigenum* p. 503 fig., LENZ.—*H. cf. arctica* p. 36 fig., McCAMMON.
 †*Hexaphyllia* p. 204, *mirabilis* p. 204 fig., FONTAINE (3).
 †*Hexastrea* p. 127, *fromenteli* p. 127 fig., CHEVALIER (1).
 †*Holophragma calceoloides* p. 70 fig., MINATO.—*H. duncanae* sp. n. p. 81 fig. U. Ordovician Norway, *calceoloides* p. 81 fig., SPJELDNAES.
 †*Homalophyllites calceolus* p. 959 fig., BOWSER.—*H. diagnosed* p. 168, cf. *subcrassus* p. 169 fig., sp. p. 169, SANDO.
Hoplanguia durotrix p. 37, ROSSI (2).
 †*Huangia* possibly a junior synonym of *Liangshanophyllum* p. 135, *mizuyagadaniensis* a sp. of *Liangshanophyllum* p. 135 fig., IOD.—*H. mizuyagadaniensis* sp. n. p. 33 fig. Permian [M. Carboniferous teste Igô 1961] Japan, KAMEI (1).
 †*Huanyophyllum* gen. n. pp. 499, 500, type sp. (by original designation) *aquilatubulatum* sp. n. pp. 499, 500 fig. U. Permian China, TSENG Acta palaeont. Sinica 7 6 1959.
 †*Hydnophora* p. 132, CHEVALIER (1).
 †*Hydnophoseris* subgen. n. (of *Pavona*) p. 416, type sp. (by original designation) *migueletensis* sp. n. p. 416 fig. Miocene Spain, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.
 †*Ipciphyllum* a junior synonym of *Wentzelella* p. 172, FONTAINE (3).
 †*Iranophyllum* p. 193, *splendens* p. 194 fig., sp. p. 195 fig., FONTAINE (3).
Isophyllastraea [as *Isophyllastrea* (sic)] *rigida* p. 42 fig., DUARTE BELLO.
 †*Isophyllastraea* p. 292, *rosacea* p. 292 fig., CHEVALIER (1).
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 †*Ivanovia manchurica* forma *podolskiensis* p. 132 fig., forma *eguchii* form. n. p. 133 fig. M. Carboniferous Japan, Igô.
 †*Javana* p. 402, J.(?) *subturbatum* p. 402 fig., CHEVALIER (1).
 †*Kerophyllum* pp. 59, 65, 67, *subcylindricum* pp. 60, 65, 67 fig., KALJO (3).
 †*Kerophyllum* p. 93, *convolutum* p. 94 fig., FONTAINE (3).—*K. sp. n. [sic]* p. 9 fig., KAMEI (2).
 †*Ketophyllum spinosum* p. 90 fig., *annulatum* p. 91 fig., *högboni* p. 91 fig., MINATO.
 †*Khmeria* see INCERTAE SEDIS.
 †*Khmeridae* fam. n. [?] (sic) Subord. Cystiphyllacea] p. 52, MONTANARO GALITELLI Palacontogr. ital. 49 1956.
 †*Khmerophyllum* gen. n. (fam. Lophophyllidiidae) pp. 77, 81, type sp. (by original designation) *cambodgensis* sp. n. p. 82 fig. Permian Cambodia, FONTAINE Arch. géol. Viet-nam 5 1961.
 †*Kiaerophyllum* a junior synonym of *Grewinkia* p. 52, KALJO (3).
 †*Kionophyllum* p. 131, sp. p. 132 fig., FONTAINE (3).—*K. [as Keionophyllum (sic)] carbonarium* sp. n. p. 131 fig., IOD.
 †*Kodonophyllum* sp. a p. 86 fig., sp. b p. 89 fig., MINATO.
 †*Koninckophyllum* p. 7, *shuichengense* sp. n. pp. 7, 15 fig. M. Carboniferous China, YOH.—*K.?* sp. p. 214 fig., KANMERA.—*K. (?)* sp. p. 120 fig., LANGENHEIM & TISCHLER.—*K. aff. ashefellense* pp. 318, 350 fig., sp. pp. 319, 350 fig., ZUKALOVÁ.
 †*Kueichouphyllum* p. 132, *sinense* p. 133 fig., *banphitense* sp. n. p. 135 fig. L. Carboniferous Laos, *laosense* sp. n. p. 135 fig. L. Carboniferous Laos, FONTAINE (3).
 †*Kunthia? petraoides* p. 35 fig., McCAMMON.
 †*"Kyphophyllum" cristatum* p. 76 fig., MINATO.
 †*Lamellophyllia* gen. n. (fam. Eupsammidae) p. 491, type sp. (by original designation) *alioleai* sp. n. p. 491 fig. M. Miocene N. Italy, CHEVALIER Mém. Soc. géol. Fr. paléont. 93 1961.
 †*Lamprophyllum* discussed p. 94, MINATO.
 †*Laophyllum* gen. n. (fam. Lonsdaleiidae) p. 195, type sp. (by original designation) *Chonaxis pongouensis* p. 196 fig. Permian Laos, FONTAINE Arch. géol. Vietnam 5 1961.
 †*Leolasma* gen. n. (fam. Streptelasmidae) p. 36, type sp. (by original designation) *reimani* sp. n. p. 36 fig. Ordovician Estonia, KALJO Vses. Nauch.-Issl. Geol. Inst. Min. Geol. Okran. Nedr. USSR (VSEGEI) 12 N.S. Palaeont. 1956.
 †*Leptomussa* p. 273, L. (?) *falloti* sp. n. p. 274 fig. Miocene Majorca and Spain, CHEVALIER (1).

- Leptopsammia pruvoti* p. 214 fig., LUTHER & FIEDLER.—*L. pruvoti* p. 43, ROSSI (2).
- †*Leptoseris* p. 409, L. (?) *haouaensis* sp. n. p. 410 fig. Miocene Morocco, CHEVALIER (1).
- †*Liangshanophyllum* p. 170, *counilloni* p. 171 fig., FONTAINE (3).—*L.* discussed p. 134, possibly a senior synonym of *Huangia* p. 135, *mizuyagadaniensis* p. 135 fig., IOD.
- †*Lithophyllia* p. 275, *michelottii* p. 276 fig., *patula* p. 278 fig., *gigas* sp. n. p. 278 fig. Miocene France and Spain, L. (*Cyclomussa*) *carryensis* sp. n. p. 279 fig. Miocene France, CHEVALIER (1).
- †*Lithostrotion* p. 107, *pauciradiale* p. 109 fig., var. *laosensis* var. n. p. 110 fig. L. Carboniferous Laos, *petalaxoidea* p. 111 fig., *densitabulata* p. 112 fig., *mixtum* a sp. of *Waagenophyllum* p. 168, FONTAINE (3).—*L.* cf. *whitneyi* p. 115 fig., LANGENHEIM & TISCHLER.—*L. mutabile* pl. 8, *sinusum* pl. 11, *warreni* pl. 13, *arizelum* pls. 13, 20, 21, *whitneyi* pls. 16, 20, *genieveensis* pl. 22, var. pl. 22, cf. *pauciradiale* pl. 23, NELSON.—*L. (Siphonodendron)* p. 182, sp. p. 182 fig., SANDO.—*L. junceum junceum* p. 172 fig., YU & LIN.—*L. proliferum* pp. 324, 350 fig., *junceum* pp. 332, 351 fig., *pauciradiale* pp. 333, 351 fig., aff. *scoticum* pp. 334, 351 fig., cf. *caespitosum* pp. 335, 352 fig., ZUKALOVÁ.
- †*Lithostrotionella microstyla* p. 959 fig., BOWSER.—*L. jasperensis* pl. 1, *micra* pl. 6, *bailliei* pl. 14, *shimeri* pls. 14, 16, 17, 18, *banffensis* pl. 17, *pennsylvanicus* pl. 17, *americana*? [sic] pl. 17, *astreaformis* pl. 18, *stelcki* pl. 26, NELSON.—*L.* p. 8, *hsuijilingi* sp. n. pp. 9, 16 fig. L. Carboniferous China, YOH.
- †*Lophophyllia* p. 287, L. (?) *pasottii* p. 287, CHEVALIER (1).
- †*Lonsdaleia* p. 162, "L." sp. p. 162 fig., *counilloni* a sp. of *Liangshanophyllum* p. 171, *indica* var. *laosensis* = *Wentzelella laosensis* p. 174, *canalifera* the type sp. of *Parawentzelella* p. 185, *socialis* a sp. of *Parawentzelella* p. 190, FONTAINE (3).—*L.*? sp. p. 341 fig., ZUKALOVÁ.
- †*Lonsdaleoides shikokuensis* sp. n. p. 88 fig. probably U. Carboniferous Japan, YAMAGIWA (1).
- Lophelia prolifera* p. 39, ROSSI (2).
- †*Lophocarinophyllum* p. 84, *acanthiseptum* p. 85 fig., FONTAINE (3).—*L.* see *Lophophyllidium*.
- †*Lophophyllidium*? sp. p. B-236, DUNCAN.—*L.* p. 77, *vietnamense* sp. n. p. 78 fig. L. Carboniferous Vietnam, FONTAINE (3).—*L. proliferum* pl. 15, *radicosum* pl. 15, MATTHEWS.—*L. (Lophocarinophyllum)* *acanthiseptum* p. 39 fig., MONTANARO GALLITELLI.—*L.* p. 355, *minimum* p. 357 fig., SCHOUPPE.
- †*Macgea* p. 103, sp. p. 103 fig., FONTAINE (3).—*M. cf. gallica* p. 504 fig., LENZ.
- Madracis decactis* p. 46 fig., DUARTE BELLO.
- †*Madracis* p. 117, *decaphylla* p. 118 fig., *pulchella* p. 119 fig., spp. n. Miocene Aquitaine, *ornata* p. 120 fig., CHEVALIER (1).
- Madrepore* discussed p. 334, *oculata* p. 334, BOSCHMA (2).
- Meandrina* [as *Meandrina* (sic)] *meandrites* p. 50 fig., *brasiliensis* p. 50, DUARTE BELLO.—*M.* [as *Meandrina* (sic)] *brasiliensis* p. 34 fig., GOREAU.
- Manicina areolata* p. 48 fig., DUARTE BELLO.
- †*Mansuyphyllum* gen. n. (fam. Phillipsastracidae) p. 100, type sp. (by original designation) *Cyathophyllum amantitum* p. 101 fig. M. Devonian Vietnam, FONTAINE Arch. géol. Viet-nam 5 1961.
- †*Meniscophyllum durhami* sp. n. p. 112 fig. L. Carboniferous California, LANGENHEIM & TISCHLER.
- †*Menophyllum* discussed p. 170, *M.*? sp. p. 170 fig., SANDO.
- †*Micrabacia* sp. pl. 16, MATTHEWS.
- †*Microcyclus blairi* p. 958 fig., BOWSER.
- †*Microplasma* p. 198, *ronensis* p. 198 fig., FONTAINE (3).—*M. cf. fongi* p. 511 fig., LENZ.
- †*Microsolena* discussed p. 296, sp. no. 1 [sic] p. 296 fig., sp. no. 2 [sic] p. 297 fig., ALLOITEAU (1).
- Mimetrodium cryptum* gen. n. (fam. Acontiphoridae) p. 77, type sp. (by monotypy) *cryptum* sp. n. p. 77 fig. New Zealand, HAND Trans. R. Soc. N.Z. (Zool.) 1 4 1961.
- †*Mioseris* subgen. n. (of *Coeloseris*) p. 418, type sp. (by original designation) *dubia* sp. n. p. 418 fig. Miocene France, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.
- †*Mitrodendron cretacea* p. 36 fig., BATALLER (2).
- Monomyces anthophyllum* p. 41, ROSSI (2).
- Montastraea* [as *Montastraea* (sic)] *caernosa* p. 52 fig., *annularis* p. 54 fig., DUARTE BELLO.
- †*Monticulastraea* p. 162, *provincialis* sp. n. p. 162 fig. Miocene France, CHEVALIER (1).
- †*Montivaltia aragonensis* p. 22 fig., *batalleri* p. 23 fig., BATALLER (2).—*M. cf. caryophyllata* p. 111, *cornutiformis* *crassa* p. 111 fig., *cotreau* p. 112 fig., *culullus* p. 112 fig., *cyclotiloides* p. 113 fig., *decipiens* p. 114 fig., *gregoryi* p. 115 fig., *houegui* p. 115 fig., *numismalis* p. 116 fig., sp. ind. p. 116 fig., RONCHETTI & SESTINI.
- Mussa angulosa* p. 56 fig., DUARTE BELLO.
- †*Mussimilia* p. 284, *provincialis* sp. n. p. 284 fig. Miocene France, *vindobonensis* sp. n. p. 285 fig. Miocene Spain and France, *M. (Protomussa)* *san-miguelensis* sp. n. p. 286 fig., Miocene Spain, CHEVALIER (1).
- †*Mycedium* p. 294, *meandrinoides* p. 295 fig., CHEVALIER (1).
- Mycetophyllia lamarckiana* p. 58 fig., DUARTE BELLO.
- †*Mycetophyllia* p. 293, *cremai* p. 293, CHEVALIER (1).
- †*Neocystiphyllum* spp. except type sp. are *Phalactis* p. 48, MINATO.
- †*Neostrophophyllum* a subgenus of *Acanthophyllum* q.v., BIRENHEIDE.
- †*Neozaphrentis* p. 72, *manitobensis* p. 73 fig., *tyrrelli* p. 74 fig., *hindi* p. 76 fig., *symmetricus* p. 77 fig., spp. n. Silurian Canada, N. (?) sp. A p. 78, STEARN.
- †*Nerthastraea* gen. n. (fam. Montivaltiidae) p. 129, type sp. (by original designation) *orbigny* sp. n. p. 130 fig. Miocene France, CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.
- †*Nipponophyllum multiseptatum* sp. n. p. 346 fig. M. Silurian New South Wales, aff. *gigantum* p. 347 fig., STRUSZ.
- Oculina diffusa* p. 60 fig., *varicosa* p. 62 fig., *valenciennesi* p. 62, DUARTE BELLO.—*O. diffusa* p. 4 fig., GOREAU.
- †*Onychophyllum* discussed p. 94, MINATO.
- †*Osum importans* a sp. of *Khmeria* p. 55, MONTANARO GALLITELLI.
- †*Oulangia* p. 242, *gracilis* p. 243 fig., CHEVALIER (1).
- †*Ovalastraea* [as *Ovalastraea* (sic)] p. 291, *subalternata* sp. n. p. 291 fig. U. Jurassic Spain, ALLOITEAU (1).

Pachycerianthus a junior synonym of *Cerianthus* p. 27, TORELLI.

†*Pachycyathus cylindricus* p. 38 fig., BATALIER (2).

Pachyseris speciosa p. 79, RANSON.

†*Pachyseris* p. 405, *crassathea* **sp. n.** p. 406 fig. Miocene S.W. France, CHEVALIER (1).

†*Palaeophyllum* discussed p. 2, *rugosum* p. 1 fig., HILL.—*P. humei* p. 11 fig., *argus* p. 12 fig., **spp. n.** Ordovician Canada, SINCLAIR.—*P. pasense* **sp. n.** p. 89 fig., subsp. *parvum* **subsp. n.** p. 90 fig., Silurian Canada, STEARN.—*P.* discussed p. 340, *rugosum* p. 341 fig., **sp. p.** 343, STRUSZ.

†*Palaeoplesiastrea* **subgen. n.** (of *Plesiastrea*) p. 264, type **sp.** (by original designation) *Plesiastrea desmoulini* p. 264 fig. Miocene France, etc., *rometensis* p. 266, *uronensis* p. 267 fig., *inaequalis* **sp. n.** p. 268 fig. M. Miocene N. Italy, *columnaeformis* **sp. n.** p. 269 fig. Miocene Sicily, *batterias* **sp. n.** M. Miocene N. Italy, *P. (?) cf. corrugata* p. 271 fig., CHEVALIER Mém. Soc. géol. Fr. Paléont. 93 1961.

†*Palaeosmia aquisgranensis* p. 348 fig., CONIL.—*P. p.* 136, "P." **sp. p.** 137 fig., FONTAINE (3).—*P. murchisoni stutchburyi* pp. 338, 352 fig., ZUKALOVA.

†*Paleastroides* **gen. n.** (fam. Eupsammidae) p. 487, type **sp.** (by original designation) *micelini* **sp. n.** p. 488 fig. Miocene S.W. France, *subirregularis* p. 489 fig., *provincialis* **sp. n.** p. 490 fig. Miocene France, CHEVALIER Mém. Soc. géol. Fr. paléont. 93 1961.

†*Paracarruthersella* **gen. n.** (fam. Aulophoridae) pp. 5, 13, type **sp.** (by original designation) *bryocolumellata* **sp. n.** pp. 5, 14 fig. U. Carboniferous China, YOH Acta palaeont. Sinica 9 1 1961.

Paracyathus pulchellus p. 37, ROSSI (2).

†*Paracyathus* p. 323, *uronensis* p. 324 fig., cf. *incrustans* p. 326, *taurinensis* **sp. n.** p. 326 fig. M. Miocene N. Italy, CHEVALIER (1).

†*Parallemia soshkinae* p. 280 fig., SCHOUPPE & STAGUL.

†*Paramphipora blokhini* p. 380 fig., FLÜGEL & FLÜGEL.

†*Parasmilia* p. 367, *taurinensis* p. 367 fig., *montaldoensis* p. 369 fig., **spp. n.** M. Miocene N. Italy, CHEVALIER (1).—*P. sp.* pl. 16, MATTHEWS.

†*Paratrochocyathus* see *Trochocyathus*.

†*Parawentzelia* **gen. n.** (fam. Lonsdaleiidae) p. 185, type **sp.** (by original designation) *Lonsdaleia canalifera* p. 186 fig., var. *sisophonensis* **var. n.** p. 190 fig., *gubleri* **sp. n.** p. 191 fig., *regularis* **sp. n.** p. 192 fig., Permian Cambodia, *socialis* p. 190 fig., FONTAINE Arch. géol. Vietnam 5 1961.

Parazoanthus axinellae p. 213 fig., LUTHER & FIEDLER.

†*Pavona* p. 411, *banensis* p. 412 fig., *burdigalensis* p. 413 fig., *longicollis* p. 415 fig., *matheroni* p. 416 fig., **spp. n.** Miocene France, *minor* p. 414, *P. (Hydnophoseris) miguelensis* **sp. n.** p. 417 fig. Miocene Spain, CHEVALIER (1).

Peachia hastata p. 41 fig., EALES.

†*Peneciella teichertii* p. 505 fig., LENZ.

†*Peplomilia elliptica* p. 24 fig., *subconica* p. 25 fig., BATALIER (2).

†*Phaenactis* discussed p. 46, *irregularis* pp. 51, 59 fig., cf. *fridheimi* pp. 51, 62 fig., *hisingeri* p. 51 fig., *fusiformis* pp. 51, 66 fig., *clarkii* p. 51 fig., *tenuis* p. 51 fig., *linnei* p. 51 fig., *sp.* p. 51 fig., *gracilis* p. 51 fig., *hoegkintii* p. 51 fig., *holstedahli* p. 51 fig., *P. (Neocystiphyllum) maccoyi*

p. 51 fig., *P. cf. angusta* pp. 51, 65 fig., **sp.** Smith p. 51 fig., *shearsbyi* p. 51 fig., *westergaardi* p. 51 fig., *cyathophylloides* pp. 51, 55 fig., *prisca* p. 66 fig., *kunthi* p. 67 fig., MINATO.—*P. shearsbyi* p. 337 fig., STRUSZ.

†*Phyllangia* p. 240, *thilensis* **sp. n.** p. 241 fig. Miocene France, *P. (?) conferta* p. 241 fig., var. *saubottensis* **var. n.** p. 242 fig. Miocene France, CHEVALIER (1).

†*Phyllocoenia irradians* p. 297, CHEVALIER (1).

†*Phyllosmia complanata* p. 725, *ataxensis* **sp. n.** p. 725 fig., *languedocialis* **sp. n.** p. 725 fig., U. Cretaceous France, BEAUVAIS, M.

†*Phymastrea capellini* p. 132, CHEVALIER (1).

†*Placocenia* **sp. p.** 37 fig., LUKOVIĆ.

†*Placophora* p. 293, *valentisensis* **sp. n.** p. 294 fig. U. Jurassic Spain, ALLOTEAU (1).

†*Placophyllum* ? **sp. p.** 13 fig., FAGERSTROM.

†*Platycoenia* p. 124, *P. (?) tarbellensis* **sp. n.** p. 124 fig. Miocene S.W. France, CHEVALIER (1).

†*Platycoenia batalleri* p. 39 fig., *depressus* p. 40 fig., BATALIER (2).

†*Pleramplexus cf. similis* p. 47 fig., MONTAÑARO GALLITELLI.

†*Pleurastra* p. 131, *ornata* p. 132, *taurinensis* is *Thagiostraea* p. 132, CHEVALIER (1).

†*Pterophyllum hidense* **sp. n.** p. 31 fig. Permian [M. Carboniferous teste Igō 1961] Japan, KAMEI (1).

†*Plesiastrea* p. 263, *desmoulini* the type **sp.** of *Palaeoplesiastrea* (q.v.) p. 264 fig., CHEVALIER (1).

†*Plesiocaryophyllia batalleri* p. 40 fig., BATALIER (2).

†*Plesiopora scutifera* p. 27 fig., BATALIER (2).

†*Pleurocora* **sp. pl.** 16, MATTHEWS.

Pocillopora see Stony coral.

†*Pocillopora* p. 121, *madreporacea* p. 122 fig., CHEVALIER (1).

Podocoryne bella **sp. n.** p. 92 fig. New Zealand, HAND (1).

†*Polyorope glabra* p. 92 fig., MINATO.

†*Polythecalis* p. 180, *bauryi* **sp. n.** p. 181 fig., *khmerianus* **sp. n.** p. 182 fig., var. *regularis* **var. n.** p. 183 fig., var. *biformis* **var. n.** p. 183 fig., Permian Cambodia, *rosiformis* p. 183 fig., **sp. p.** 184 fig., FONTAINE (3).

Porites astreoides p. 64 fig., *porites* var. *clavaria* p. 66 fig., var. *furcata* p. 68 fig., var. *divaricata* p. 70 fig., DUARTE BELLO.

†*Porites* p. 446, *ornata* **sp. p.** of *Madracis* p. 120, *collegiana* p. 448 fig., var. *martini* p. 450 fig., var. *girundensis prima* p. 451 fig., cf. *diversiformis* p. 451 fig., *maigensis* p. 452 fig., var. *gamachotensis* **var. n.** p. 453 fig. Miocene France, *pachysepta* **sp. n.** p. 453 fig. Miocene France, *mancietensis* **sp. n.** p. 454 fig. Miocene France, *lobatosepta* **sp. n.** p. 454 fig. Miocene Sicily, *calabracae* **sp. n.** p. 455 fig. Miocene Italy and Sicily, CHEVALIER (1).

†*Premocyathus* a junior synonym of *Ceratocyathus* p. 337, CHEVALIER (1).

†*Protomussa* see *Mussismilia*.

†*Pseudamplexus* p. 92, *yenlensis* **sp. n.** p. 92 fig. Devonian Vietnam, FONTAINE (3).

†*Pseudocystiphyllum* discussed p. 94, MINATO.

†*Pseudopavona* discussed pp. 221, 223, *taiyakuana* p. 223, *crassisepta* **sp. n.** p. 224 fig. U. Carboniferous Japan, KANMERA.

- †*Pseudopavonidae* discussed p. 221, KANMERA.
- †*Pseudouralinia* p. 151, *irregularis* p. 153 fig., cf. *gigantea* p. 154 fig., FONTAINE (3).
- †*Ptolemaia* *gen. n.* (fam. Aulophyllidae) p. 1023, type sp. (by original designation) *flataesta* *sp. n.* p. 1025 fig. Permian Nevada, *gracilis*, *intermedia*, *magnifica* p. 1024, *pseudoelegans*, var. *prismatic*, *styllidophylloides*, var. *radiata*, *walensis* *nomen n.* (for *Wentzellia* aff. *indica* Soshkina) p. 1025 Permian Russia, McCUTCHEON & WILSON J. Paleont. 35 5 1961.
- †*Pycnactis angelini* p. 75 fig., cf. *mitrata* p. 76 fig., *rhizophylloides* a sp. of *Holophragma* p. 71, MINATO.—*P. canadensis* *sp. n.* p. 88 fig., STEARN.
- †*Pycnostylus* p. 81, *guelphensis* p. 82 fig., STEARN.
- †*Rectigrewinkia* *gen. n.* (fam. Streptelasmidae) pp. 62, 65, 67, type sp. (by original designation) *Grewinkia anthelion* pp. 62, 65, 67 fig. Ordovician Estonia, KALJO Ensiv Tead. Akad. Inst. Uurim. 6 1961.
- †*Rhizangia* p. 428, *martini* p. 429 fig., CHEVALIER (1).
- †*Rotiphyllum* sp. p. 62 fig., FONTAINE (3).—*R.* p. 171, *hians*? p. 171 fig., SANDO.—*R.* cf. *occidentale* p. 112 fig., LANGENHEIM & TISCHLER.
- †*Rugose corals* indet. p. 272 fig., ALLEN.
- †*Rylstonia columinirotata* *sp. n.* p. 128 fig. L. Carboniferous California, LANGENHEIM & TISCHLER.—*R.* p. 172, cf. *teres* p. 172 fig., sp. p. 173, SANDO.
- †*Scapophyllia* p. 296, *S. (?) menzelensis* *sp. n.* p. 296 fig. Miocene Morocco, CHEVALIER (1).
- †*Sclerohelia* p. 259, *taurinis* *sp. n.* p. 260 fig. M. Miocene N. Italy, CHEVALIER (1).
- †*Septostraea* p. 131, *detecta* is ? *Favites neglecta* p. 131, *dissimilis* is *Favites* p. 131, *geometrica* p. 131, *multilateralis* is *Ellasmostraea* p. 131, *papyracea* is *Favites* or *Goniastrea* p. 131, *polymorpha* is *Defrancia irregularis* p. 131, *ramosa* p. 131, CHEVALIER (1).
- Siderastraea* [as *Siderastrea* (sic)] *radicans* p. 72 fig., *sidera* p. 74 fig., DUARTE BELLO.
- †*Siderastraea* p. 419, *crenolata* p. 421 fig., var. *gamachotensis* *var. n.* p. 422 fig. Miocene France, var. *reussi* p. 423 fig., *bertrandiana* p. 424 fig., *miocenica* p. 425 fig., var. *italica* p. 425 fig., var. *regularis* p. 427 fig., *lecointrei* p. 428 fig., CHEVALIER (1).
- †*Sinophyllum* pp. 77, 79, *pendulum* p. 79 fig., *kayseri* *var. major* p. 80 fig., FONTAINE (3).—*S. minimum* a sp. of *Lophophyllidium* p. 357, SCHOUPPE.—*S. densum* p. 171 fig., YU & LIN.
- †*Siphonodendron* see *Lithostrotion*.
- †*Siphonophrentis gigantea* p. 12 fig., sp. p. 12 fig., FAERSTROM.
- †*Siphonophyllia* see *Caninia*.
- †*Skoliophyllum* p. 235, *squamosum* p. 235 fig., STUMM.
- †*Stimonophyllum* *gen. n.* (fam. Aulophyllidae) p. 281, type sp. (by original designation) *Rodophyllum stimonianum* p. 281 fig. L. Carboniferous Scotland, KATO & MITCHELL Palaeontology 4 2 1961.
- †*Smilothochus tarraconensis* p. 29 fig., BATALLER (2).
- Solenastraea* [as *Solenastrea* (sic)] *bournoni* p. 76 fig., *hyades* p. 78 fig., DUARTE BELLO.—*S.* see *Heliastrea*.
- †*Solenastraea* [as *Solenastrea* (sic)] *sp.* p. 153 fig., DERANIYAGALA.
- †*Solipetra* *gen. n.* (fam. Ptenophyllidae) p. 159, type sp. (by original designation) *vietnamica* *sp. n.* p. 160 fig. Devonian Vietnam, FONTAINE Arch. géol. Vietnam 5 1961.
- Sphenotrochus gardineri* *sp. n.* p. 26 fig. Patagonian Shelf, SQUIRES.
- †*Sphenotrochus* p. 302, *millettianus*, *cuneolus* p. 303, *cestacensis* *sp. n.* p. 304 fig. Miocene France, CHEVALIER (1).
- †*Spongophyllum elongatum* p. 506 fig., *stevensi* a sp. of *Ularatina* p. 507, LENZ.
- Stenocyathus vermiformis* p. 39, ROSSI (2).
- †*Stenophyllum* sp. p. 77 fig., [DUBATOLOV].
- Stephanocenia michelini* p. 80 fig., DUARTE BELLO.
- †*Stephanocenia aragonensis* p. 28 fig., BATALLER (2).
- †*Stephanocyathus* see *Trochocyathus*.
- †*Stephanophyllia* p. 433, *elegans* p. 434 fig., *imperialis* p. 435 fig., var. *reussi* *var. n.* p. 436 fig. Miocene Austria, etc., CHEVALIER (1).—*S. cretacea* *sp. n.* p. 429 fig. [English Trans. p. 183 fig.] U. Cretaceous W. Siberia, Ivanovsky in [IVANOVSKY & LAVROVA].
- †*Stereolasma rectum* p. 445 fig., STUMM & WATKINS.
- †*Stereostylus bollobokkensis* *sp. n.* p. 281 fig. Permian Texas, COOGAN.—*S.* p. 83, sp. p. 84 fig., FONTAINE (3).
- †*Stewartophyllum intermittens* p. 447 fig., STUMM & WATKINS.
- Stichopathes* see *Cirripathes*.
- Stony coral [? *Pocillopora* sp.] p. 2035 fig., HILTON.
- †*Streptelasma* *sp.* p. 2 fig., HILL.—*S. (Streptelasma) rusticum* pp. 51, 65, 66 fig., *S. (Grewinkia)* pp. 52, 65, 66, *buceros* pp. 54, 65, 66 fig., *europaeum hosholmensis* *subsp. n.* pp. 58, 65, 66 Ordovician Estonia, *anthelion* type sp. of *Rectigrewinkia* pp. 62, 65, 67, KALJO (3).—*S.* cf. *integriseptatum* p. 88, STEARN.
- †*Stylina milleporacea* p. 290 fig., ALLOITEAU (1).—*S. aragonensis* p. 19 fig., *pyrenaica* p. 20 fig., BATALLER (2).
- †*Stylocenia* p. 126, *caryensis* *sp. n.* p. 126 fig. Miocene S. France, CHEVALIER (1).
- †*Stylophora* p. 111, *aristella* p. 113 fig., *reussiana* p. 115 fig., *parvistella* *sp. n.* p. 116 fig. Miocene Aquitaine, *thirstiformis* p. 116 fig., *regulata* *sp. n.* p. 116 fig. Miocene Aquitaine, CHEVALIER (1).
- †*Subtilicyathus* p. 503, *zanoni* not a coral but a vertebrate p. 503, CHEVALIER (1).
- †*Suerigophyllum* *gen. n.* (fam. Halliidae) p. 68, type sp. (by original designation) *hesslandi* *sp. n.* p. 68 fig. Silurian Gotland, MINATO Acta Univ. Stockholm. geol. 8 4 1961.
- †*Synamplexoides* *gen. n.* (fam. Zaphrentoididae) p. 80, type sp. (by original designation) *varioseptatus* *sp. n.* p. 80 fig. Silurian Canada, STEARN Mem. geol. Surv. Canada 281 1956.
- †*Synaptophyllum grabau* *sp. n.* p. 13 fig. M. Devonian Canada, FAERSTROM.
- †*Szygophyllia* p. 280, *elongata* p. 280 fig., *grandis* *sp. n.* p. 282 fig. M. Miocene N. Italy, *S. (Aquitaphyllia) grandistellae* *sp. n.* p. 283 fig. Miocene France and N. Italy, CHEVALIER (1).
- †*Tabulophyllum* sp. p. 78, FLÜGEL, H.—*T. gallina* *sp. n.* p. 35 fig. Devonian Canada, McCAMMON.

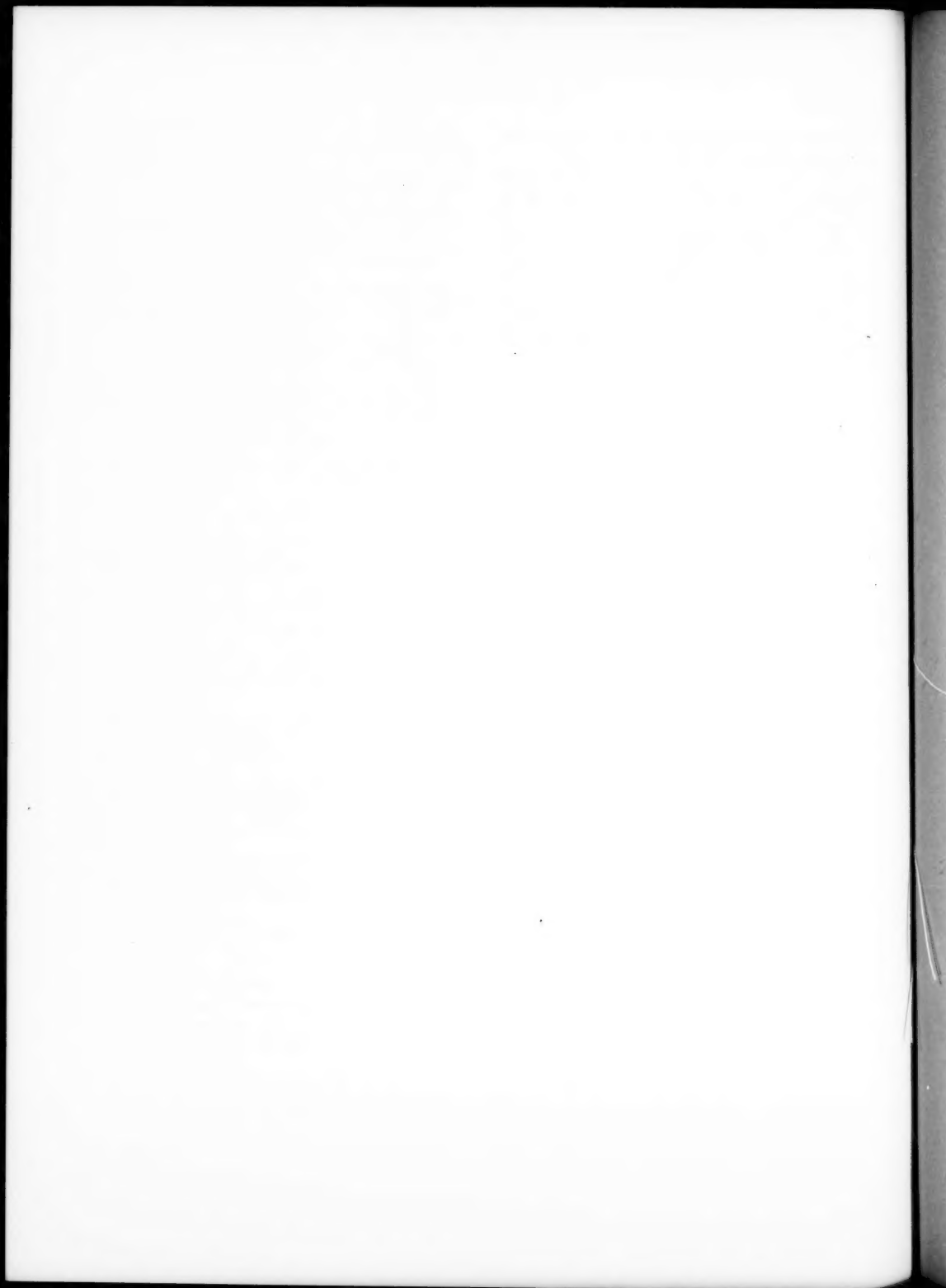
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